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ABSTRACT
               The purpose of this inventory is to list a number of
"major" information services and systems in the field of science and
technology, either in the government or in the private sector. If a
distinction is made between traditional information systems such as
libraries, documentation services etc., and the wide spectrum of
mechanized systems, the inventory aims at retaining all mechanized
systems and only important traditional ones. In particular, it
includes all systems which are designed as mechanized systems from
either a search or storage viewpoint and to which general national
access is possible. Some systems are also included which consist of
mechanized entry into systems which are based in other countries.
Systems to which funds have been committed are also included even if
not yet fully developed. The scope of the inventory includes social
sciences and related fields. The indexes included at the beginning of
the inventory enable the user to find an entry by its name, acronym,
sponsoring body, country, area or field, etc. The present version of
this inventory has been prepared on the basis of a joint survey
carried out by the United Nations Economic Commission for Europe
(ECE) and the Organization for Economic Co-operation and Development
(OECD). (Author/AB)

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ED051839

INVENTORY OF MAJOR

INFORMATION SYSTEMS AND SERVICES

IN SCIENCE AND TECHNOLOGY

REPERTOIRE DES PRINCIPAUX

SYSTEMES ET SERVICES D'INFORMATION

EN SCIENCE ET TECHNOLOGIE

INVENTORY OF MAJOR
INFORMATION SYSTEMS AND SERVICES
IN SCIENCE AND TECHNOLOGY

REPERTOIRE DES PRINCIPAUX
SYSTEMES ET SERVICES D'INFORMATION
EN SCIENCE ET TECHNOLOGIE

ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT
ORGANISATION DE COOPERATION ET DE DEVELOPPEMENT ECONOMIQUES

PARIS 1971

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INTRODUCTORY NOTE

The purpose of this inventory is to list a number of "major" information services and systems in the field of science and technology, either in the government or in the private sector. If a distinction is made between traditional information systems such as libraries, documentation services etc., and the wide spectrum of mechanised systems, the inventory aims at retaining all mechanised systems and only important traditional ones. In particular, it includes all systems which are designed as mechanised systems from either a search or storage viewpoint and to which general national access is possible. Some systems are also included which consist of mechanised entry into systems which are based in other countries. Systems to which funds have been committed are also included even if not yet fully developed.

The scope of the inventory, i.e. science and technology, should be given the widest interpretation, i.e. including social sciences and related fields.

The different indexes included at the beginning o. the inventory will enable the user to find an entry by its name, acronym, sponsoring body, country, area or field, etc.

The present version of this inventory has been prepared on the basis of a joint survey carried out by the United Nations Economic Commission for Europe (ECE) and the Organisation for Economic Co-operation and Development (OECD). The OECD has dealt with English language services and systems and the ECE with other than English language ones. An indication as to which of these organisations has compiled an entry is made in each of these (bottom right of reverse sheet).

INTRODUCTION

Le but de ce répertoire est de rassembler des données sur les principaux services et systèmes d'information dans le domaine de la science et de la technologie, qui existent dans les secteurs gouvernemental et privé. Si l'on fait une distinction entre les systèmes d'information traditionaux, tels que bibliothèques, services de documentation, etc., et le large éventail des systèmes d'information mécanisés, le répertoire comprend les sytèmes mécanisés et seulement les plus importants systèmes traditionnels. En particulier, il inclut tous les systèmes qu'on peut décrire comme étant mécanisés du point de vue du rappel ou de la mise en mémoire des informations, et dont l'accès est ouvert au public et à l'échelle nationale. Il comprend également quelques systèmes mécanisés qui sont reliés à des systèmes basés dans d'autres pays. On a également inclu des systèmes encore en projet, dès lors que des fonds ont été alloués pour leur développement.

Le portée du répertoire, c'est-à-dire "Science et Technologie", doit être extrêmement étendue, et y inclure, par exemple, les sciences sociales et leurs domaines connexes.

Les différents index qui se trouvent au début de l'ouvrage permettront à l'usager de localiserun système déterminé par son nom, son sigle, son organe responsable ou de tutelle, son pays, son domaine d'application, etc.

Cette version du répertoire a été fondée sur une étude menée conjointement par la Commission Economique des Nations Unies pour l'Europe (C.E.E.) et l'Organisation de Coopération et de Développement Economiques (O.C.D.E.). L'OCDE a étudié les services et systèmes de langue anglaise, là CEE ceux utilisant des langues autres que l'anglais. Pour chaque fiche, l'organisation responsable est indiquée (en bas du revers, à droite).

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1. Système ou service; 2. Abréviations; 3. Organisme responsable ou de tutelle; 4. Pays; 5. Domaine d'activité

- Ab Atomenergi Computerised User-oriented Services -
  ABACUS - Swedish Council for Scientific Information
  and Documentation - Sweden - VII - 6

- Advisory and Documentation Bureau - ADB -
  Royal Tropical Institute - Netherlands - II - 4

- Air Pollution Technical Information Center -
  APTIC - Department of Health, Education and
  Welfare - U.S.A. - V - 1

- Alberta Information Retrieval Association - AIRA -
  Research Council, Alberta - Canada - IV - 18

- Anaesthetic Literature - King's College Hospital -
  U.K. - III - 11

- Applied Mechanics Reviews - AMR - American Society
  of Mechanical Engineers - U.S.A. - IX - 3

- Argonne Code Centre - ACC - U.S.A. Atomic Energy
  Commission - U.S.A. - IX - 5

- Automated System for Sorting Information - ASTI -
  Czechoslovakia - XIII - 2

- Automated System of Information - ASI - Ministry
  of Industry - Czechoslovakia - XI-14

- Automatic Documentation Section, Development
  Enquiry Service - AUTODOC - OECD - XII-2

- Automatic Subject Citation Alert IV - ASCA IV -
  ISI - U.S.A. - X-5

- Automatised Information and Documentation System -
  AIDS - Federal Office for Technical Development -
  Czechoslovakia - XIII-4

- Basic Journal Abstracts - BJA - American Chemical
  Society - U.S.A. - IV-7

- Bibliographic Review in Geology - GEO Index -
  Czech Office for Geology - Czechoslovakia - VI-7

- Bibliographie Pädagogic - BP - Pädagogisches
  Zentrum, Berlin - Germany - XII-8

- Biomedical Information Project - University of Sheffield - United Kingdom - III-10

- Biological Records Centre - BRC - Nature Conservancy - U.K. - VI-2

- BioSciences Information Service of Biological Abstracts - BIOSIS - BIOSIS Board of Trustees - U.S.A. - VI-1

- Brain Information Service - BIS - University of California - U.S.A. - III-8

- Bulletin Signaletique - CNRS - France - X-3

- Bundesanstalt für Bodenforschung - BfB - Federal Ministry of Economics - Germany - II-5

- Central Abstracting and Indexing Service - American Petroleum Institute - U.S.A. - IV-15

- Centre for Agricultural Publishing and Documentation - PUDOC - Ministry of Agriculture and Fishing - Netherlands - II-3

- Centre de Documentation de l'Armement - CEDOCAR - Ministère d'Etat chargé de la Défense Nationale - France - XI-6

- Centre National de Documentation Scientifique et Technique - CNDST - Bibliotheque Royale - Belgium - X-8

- Centro de Información y Documentación - CID - Patronato "Juan de la Cierva" - Spain - X-14

- Centrum voor sociaal wetenschappelijke documentatie en literatuurinformatie i.o. - Netherlands - XII-4

- Chemical Abstracts - CA - American Chemical Society - U.S.A. - IV-1

- Chemical Abstracts Condensates - CA Condensates - American Chemical Society - U.S.A. - IV-2

- Chemical Abstracts Service Source Index - CASSI (ex. ACCESS) - American Chemical Society - U.S.A. - IV-3

- Chemical Biological Activities - CBAC - American Chemical Society - U.S.A. - IV-16

- Chemical Titles - CT - American Chemical Society - U.S.A. - IV-5

- Chemical Titles - CT - Alberta Information Retrieval Association - Canada - IV-6

- Chemie Information und Dokumentation, Berlin - Chem Inform - Gesellschaft Deutscher Chemiker - Germany - IV-4

- Commonwealth Bureau of Animal Nutrition - Commonwealth
  Agricultural Bureaux - U.K. - XI-12

- Commonwealth Bureau of Helminthology - CBH - Common-
  wealth Agricultural Bureaux - U.K. - VI-11

- Commonwealth Bureau of Plant Breeding and Genetics -
  Commonwealth Agricultural Bureaux - U.K. - VI-4

- Computer Index for Neutron Data - CINDA - ENEA of OECD
  - International - VII-3

- Computerised Engineering Index - COMPENDEX - Engineering
  Index Inc. - U.S.A. - XI-1

- Computer Software Management and Information Center -
  COSMIC - University of Georgia - U.S.A. - XIII-1

- Crystallographic Data Centre - Cambridge University / OSTI
  - U.K. - IV-10

- Czechoslovak System of Scientific, Technical and Economic
  Information - VTEI - Centre for Scientific, Technical
  and Economic Information, Prague - Czechoslovakia - X-7

- DARIUS - Institut Français de Recherches Fruitières
  Outre-Mer (IFAC) - France - II-5

- DE HAEN - Paul de Haen, Inc. - U.S.A. - III-6

- Documentatio Geographica - DG - Institut für Landeskunde,
  Bonn - Germany - VI-?

- Documentation Suisse du Bâtiment - SFB - Fédération
  des Architects Suisses - Switzerland - V-4

- Dokumentation Krankenhauswesen - Deutsches Krankenhaus-
  institut, Düsseldorf - Germany - III-16

- Dokumentationaring Betriebswirtschaft - Rationalisierungs
  - Kuratorium der deutscher Wirtschaft e.V., Frankfurt -
  - Germany - XII-7

- Educational Resources Information Center - ERIC -
  U.S. Office of Education - U.S.A. - XII-5

- ELDOK - Elektro Dokumentation - Denmark - IX-7

- Elektronisches Dokumentations und Informations System
  - EDIS - Library of the Federal Polytechnical School
  - Switzerland - XI-6

- Engineering Index - EI - Engineering Index Inc. - U.S.A.
  - XI-1

- Engineering Information Service - EIS - Engineering
  Index Inc. - U.S.A. - XI-1

- European Nuclear Documentation System - ENDS - ENEA of
  OECD - VII-2

- Excerpta Medica - EM - Excerpta Medica - Netherlands
  - III-4

- Excerpta Medica Automated Storage and Retrieval System -
  Excerpta Medica - Netherlands - III-5

- FAO Documentation System - FAO - International - II-1

- Gas Chromatography Abstracts Service - Preston Tech-
  nical Abstracts Co. - U.S.A. - IV-12

- Gas Chromatographic Data Committee of Japan - Japan
  Society for Analytical Chemistry - Japan - IV-13

- Generalised Information Processing System - GYPSY -
  Federal Office for Technological Development, Prague
  - Czechoslovakia - X-12

- Geotechnical Abstracts - GA - International Society for
  Soil Mechanics & Foundation Engineering - VI-9

- Gyorsindex (Rapid-Index) - Technoinform (Hungarian
  Technical Library and Documentation Centre) - Hungary -
  V-3

- Highway Research Information Service - HRIS - Highway
  Research Board - U.S.A. - V-5

- Index Chemicus/Index Chemicus Registry System - IC/ICRS
  - Institute for Scientific Information - U.S.A. - IV-19

- Index Radiohygienicus - Ministry of Health -
  Czechoslovakia - III-14

- Information Centre for Hearing, Speech and Disorders of
  Human Communication - The John Hopkins Medical
  Institutions - U.S.A. - III-9

- Information Retrieval Service - FAO Index - FAO Research
  Institute - Sweden - X-4

- Information Service in Physics, Electrotechnology and
  Control - INSPEC - Institution of Electrical Engineers -
  U.K. - XI-3

- Informationsdienst für Nuklearmedizin - NMB - Freien
  Universität. Berlin - Germany - III-12

- Institut für byggdokumentation, Sweden - V-2

- Institut für Dokumentation und Information über Sozial-
  medizin und öffentliches Gesundheitswesen - Arbeits
  und Sozialministerium, Nordheim - Germany - III-15

- Integrated Scientific Information Service - ISIS -
  International Labour Office - International - XII-1

- International Computerised System for Textile Information
  Synopsis - TITUS - Institut de France - France - XI-8

- International Data Library and Reference Service - IDLRS
  - National Science Foundation - U.S.A. - XII-3

- International Food Information Service - IFIS -
  Commonwealth Bureau of Dairy Science and Technology,
  Reading - U.K. - XI-11

- International Nuclear Information System - INIS - IAEA -
  International VII-1

- ISKRA - Zavod za Automatizacijo - ISKRA - ZZA - ISKRA -
  Yugoslavia - IX-8

- International Pharmaceutical Abstracts - IPA - American
  Society of Hospital Pharmacists - U.S.A. - IV-20

- Institutet för byggdokumentation - Bygdok - Swedish
  Council for Building Research - Sweden - V-2

- Isotopes Information Center - ORNL-IIC - U.S. Atomic
  Energy Commission - U.S.A. - IV-14

- Japanese Nuclear Data Committee - JNDC - Japan - VII-7

- Japanese Oceanographic Data Center - JODC - Ministry of
  Transport - Japan - VI-13

- Laufende Gezielte Information der ZLDI - ZLDI/SDI -
  Deutsche Forschungs- und Versuchsanstalt für Luft-und
  Raumfahrt (DFVLR) - Germany - I-4

- Learning Resources Information Centre - LRIC - Engineers
  Joint Council - U.S.A. - X-10

- Mass Spectrometry Data Centre - MSDC - OSTI/Ministry of
  Technology - U.K. - IX-2

- Mechanisation des Informations dans l'exploitation et
  le recherche verrière - MINERVA - Institut du Verre -
  France - XI-9

- Mechanised system for the compilation of "Bibliographie
  des Forst- und Holtzwirtschaftlichen Schiftungs" -
  Bundesforschungsanstalt für Forst- und Holtzwirtschaft -
  Germany - XI - 3

- Medical Literature Analysis and Retrieval System -
  MEDLARS - National Library of Medicine - U.S.A. - III-2

- Medical Literature Analysis and Retrieval System, Germany
  - MEDLARS, Germany - Ministry of Youth, Family and
  Health - Germany - III-3

- Metals Abstracts and Metals Abstracts Index - Met. A./
  Met. A. Index - The Metals Abstracts Trust - U.K./U.S.A.
  - IV-11

- Mineralogical Abstracts - Min. Abstr. - Mineralogical
  Societies - U.K./U.S.A. - VI-8

- National Aeronautic and Space Administration - (NASA) -
  NASA - U.S.A. - I-2

- National Agricultural Library's Cain Data Tapes - CAIN -
  National Agricultural Library - U.S.A. - II-2

- National Information System for Physics and Astronomy -
  NISPA - American Institute of Physics - U.S.A. - IX-6

- National Neutron Cross Section Center - NNCSC - U.S. Atomic
  Energy Commission - U.S.A. - VII-8

- National Referral Center - Library of Congress - U.S.A.
  - X-2

- National Technical Information Service - NTIS -
  Department of Commerce - U.S.A. - X-1

- Neutron Data Ssytem for Direct Access - NEUDADA - ENEA
  of OECD - International - VII-4

- New Books Abroad - GIPSY - State Library, Prague -
  Czechoslovakia - XII-8

- Nuclear Magnetic Resonance Abstracts Service - Preston
  Technical Abstracts Company - U.S.A. - VII-9

- Nuclear Safety Information Center - NSIC - U.S. Atomic
  Energy Commission - U.S.A. - VII-10

- Oceanographic Data Centre - Japan - VI-10

- Office of Engineering Standards Services, U.S.A. - XI-2

- Office of Information.B Bureau of Radiological Health -
  BRH - Environmental Health Service - U.S.A. - III-13

- Patent Office Data Base System - U.S. Patent Office -
  U.S.A. - VIII-6

- Permuterm Subject Index - PSI - ISI - U.S.A. - X-5

- Physicalische Berichte - PB - Deutsche Physicalische
  Gesellschaft - Germany - IX-1

- Politische Dokumentation - Pol. Dok. - Leitstelle
  Politische Dokumentation, Frei Universität, Berlin -
  Germany - XII-9

- POLYDOC - Studieselskapet for Norsk Industri - Norway -
  X-15

- Polymer Science and Technology - POST - American
  Chemical Society - U.S.A. - IV-8

- Plastic Industry Notes - PIN - American Chemical
  Society - U.S.A. - IV-9

- Plasma Physics SDI Service - OSTI - U.K. - IX-4

- Radiation Shielding Information Center - RSIC -
  U.S. Atomic Energy Commission - U.S.A. - VII-11

- Research Grants Index - RGI - Department of Health,
  Education and Welfare - U.S.A. - III-7

- Review of Applied Entomology Series A and B -
  Rev. Appl. Ent. - Commonwealth Agricultural Bureaux -
  U.K. - VI-5

- Royal Botanic Gardens - Ministry of Agriculture, Fishing
  and Food - U.K. - VI-3

- Royal Institute of Technology, Library Documentation
  Centre for Science and Technology - KTH.S SDI Service -
  Royal Institute of Technology - Sweden - X-18

- RRL Technical Information Service - Ministry of Transport
  - - U.K. - V-6

- Science Citation Index - SCI - ISI - U.S.A. - X-5

- Science Information Exchange - SIE - National Science
  Foundation - U.S.A. - X-16

- Science Information Facility, U.S. Food and Drug
  Administration - S.I.F. - Department of Health,
  Education and Welfare - U.S.A. - IV-17

- Scientific Documentation Centre - SDC - U.K. - X-17

- SDI Service for Industry and Research - Danish Council
  for Scientific and Industrial Research - Denmark - XI-10

- Selective Dissemination of Engineering Information - SDI
  - BPA Technical Library - U.S.A. - XI-5

- Service Information et Documentation - Institut du Verre
  - France - XI-9

- Shared System Programme - ICIREPAT/WIPO - VIII-1/5

- SOKRATUS - State Library of Czechoslovakia -
  - Czechoslovakia - X-6

- Space Documentation Service (ESRO/ELDO SDS) - European
  Space Research Organisation (ESRO)/European Space
  Vehicle Launcher Development Organisation (ELDO) -
  International - I-1

- State Library of the Czech Socialist Republic - SK CSR -
Ministry of Culture, Prague - Czechoslovakia - XII-5

- Supreme Cassation Court Law Research Data Processing
System - Supreme Cassation Court - Italy - XII-10

- System of the Office of Engineering Reference - Office
of Engineering Reference - U.S.A. - XI-4

- System of the Office of Engineering Standard Services -
National Bureau of Standards - U.S.A. - XI-2

- System of the U.S. Atomic Energy Commission - U.S. Atomic
Energy Commission - U.S.A. - U.S.A. - VII-5

- Système Electronique de Selection Automatique de Micro-
films - SESAME - Centre de Recherches Scientifiques et
Techniques - Belgium - IX-9

- Technical Information Service - AIAA - American Institute
of Aeronautics and Astronautics - U.S.A. - I-3

- Technische Dokumentation des ÖPZ - TD - Österreichisches
Produktivitäts-Zentrum - Austria - X-13

- Turkish Scientific and Technical Centre - TÜRDOK - The
Scientific and Technical Research Council of Turkey -
Turkey - X-9

- Union Catalog of Translation - UEP - Centre for Scientific,
Technical and Economic Information, Prague -
Czechoslovakia - XIII-3

- WHO Biomedical Research Information Service - WHO/BRIS -
World Health Organisation - International - III-1

- Zoological Record - Zool. Rec. - The Zoological Society
of London - U.K. - VI-6

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AUSTRIA/AUTRICHE

Österreichisches Produktivitäts-Zentrum - Technische
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BELGIUM/BELGIQUE

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Research Council, Alberta - Alberta Information
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Prague - Czechoslovak System of Scientific, Technical
and Economic Information - X-7

Centre for Scientific, Technical and Economic Information,
Prague - Union Catalog of Translations - XIII-3

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Geology - VI-7

Federal Office for Technological Development -
Automatised Information and Documentation System - XIII-4

Federal Office for Technological Development -
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Ministry of Culture, Prague - State Library of the
Czech Socialist Republic - XIII-5

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Ministry of Health - Index Radio-hygienicus - III-4

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Danish Council for Scientific and Industrial Research -
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FRANCE

Centre National de la Recherche Scientifique -
Bulletin Signaletique - X-3

Institut Français de Recherches Fruitières Outre-Mer (IFAC)
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Institut Textile de France - International Computerised
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Institut du Verre - Mechanisation des Informations dans
l'exploitation et le recherche verrière - XI-9

Ministère d'Etat chargé de la Défense Nationale - Centre
de Documentation dè l'Armement - XI-6

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Arbeits und Sozialministerium, Nordheim - Institut für
Dokumentation und Information über Sozialmedizin und
Offentliches Gesundheitswesen - III-15

Bundesforschungsanstalt für Först- und Holtzwirtschaft -
Mechanized System for the Compilation of "Bibliographie
des Först- und Holtzwirtschaftlichen - XI-13

Deutsche Forschungs- und Versuchanstalt für Luft- und
Raumfahrt (DFVLR) - Laufeude Gezielte Information der
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Engineering - Geotechnical Abstracts - VI-9

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Berlin - Politische Dokumentation - XIII-9

Ministry of Youth, Family and Health - Medical Literature
Analysis and Retrieval System, Germany - III-3

Pädagogisches Zentrum, Berlin - Bibliographie Pädagogic -
XII-6

Rationalisierings-Kuratorium der Deutscher Wirtschaft
e.V., Frankfurt - Dokumentationaring Betriebswirtschaft -
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Royal Institute of Technology - Royal Institute of
Technology, Library Documentation Centre for Science and
Technology - X-18

Swedish Council for Scientific Information and Documentation
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American Institute of Aeronautics and Astronautics - Technical Information Service - I-3

American Institute of Physics - National Information System for Physics and Astronomy - IX-6

American Petroleum Institute - Central Abstracting and Indexing Service - IV-15

American Society of Hospital Pharmacists - International Pharmaceutical Abstracts - IV-20

American Society of Mechanical Engineers - Applied Mechanics Reviews - IX-3

BIOSIS Board of Trustees - BioSciences Information Service of Biological Abstracts - VI-1

BPA Technical Library - Selective Dissemination of Engineering Information - XI-1

Paul de Haen - De Haen - III-6

Department of Commerce - National Technical Information Service - X-1

Department of Health, Education and Welfare - Air Pollution Technical Information Center - V-1

Department of Health, Education and Welfare -
Research Grants Index - III-7

Department of Health, Education and Welfare -
Science Information Facility, U.S. Food and Drug
Administration - IV-7

Engineers Joint Council - Learning Resources Information
Centre - X-10

Engineering Index Incorporated - Engineering Index - XI-1

Engineering Index Incorporated - Computerised Engineering
Index - XI-1

Engineering Index Incorporated - Engineering Information
Services - XI-1

Environmental Health Service - Office of Information Bureau
of Radiological Health - III-13

Highway Research Board - Highway Research Information
Service - V-5

Institute for Scientific Information - Index Chemicus/
Index Chemicus Registry System - IV-19

Preston Technical Abstracts Company - Gas Chromatography
Abstracts Service - IV-12

Institute for Scientific Information - Permuterm Subject
Index - X-5

Institute for Scientific Information - Automatic Subject
Citation Alert IV - X-5

Institute for Scientific Information - Science
Citation Index - X-5

The John Hopkins Medical Institutions - Information Centre
for Hearing, Speech and Disorders of Human Communication -
III-9

Library of Congress - National Referral Center - X-2

National Aeronautic and Space Administration - I-2

National Agricultural Library - National Agricultural
Library's Cain Data Tapes - II-2

National Bureau of Standards - System of the Office of
Engineering Standard Services - XI-2

National Library of Medicine - Medical Literature
analysis and Retrieval System - III-2

National Science Foundation - International Data
Library and Reference Service - XII-3

National Science Foundation - Science Information
Exchange - X-16

Office of Engineering Reference - System of the Office
of Engineering Reference - XI-4

Preston Technical Abstracts Company -
Nuclear Magnetic Resonance Abstracts Service - VII-9

University of California - Brain Information Service - III-8

University of Georgia - Computer Software Management
and Information Center - XIII-1

U.S. Atomic Energy Commission - Argonne Code Centre - IX-5

U.S. Atomic Energy Commission - System of the U.S.
Atomic Energy Commission - VII-5

U.S. Atomic Energy Commission - Isotopes Information
Center - IV-14

U.S. Atomic Energy Commission - National Neutron
Cross Section Center - VII-8

U.S. Atomic Energy Commission - Nuclear Safety Information
Center - VII-10

U.S. Atomic Energy Commission - Radiation Shielding
Information Center - VII-11

U.S. Office of Education - Educational Resources
Information Center - XII-5

U.S. Patent Office - Patent Office Data Base System - VIII -6

YUGOSLAVIA/YOUGOSLAVIE

ISKRA - ISKRA - Zavod za Automatizacijo - IX-8

INTERNATIONAL

ENEA of OECD - Computer Index for Neutron Data - VII-3

ENEA of OECD - Neutron Data System for Direct Access - VII-4

European Space Research Organisation (ESRO)/ European
Space Vehicle Launcher Development Organisation (ELDO) -
Space Documentation Service - I-1

FAO - FAO Documentation System - II-1

IAEA - International Nuclear Information System - VII-1

International Labour Office - Integrated Scientific
Information Service - XII-1

OECD - Automatic Documentation Section, Development
Enquiry Service, - XII-2

World Health Organisation - WHO Biomedical Research
Information Service - III-1

ICIREPAT/WIPO - Shared System Programme - VIII-1/5

KEY TO ACRONYMS
CODE DES SIGLES ET ABREVIATIONS

of Services, Systems, Projects, Sponsoring
Bodies, Controlling Bodies, etc.

des Services, Systèmes, projets, Organismes
responsables ou de tutelle, etc.

- ABACUS - Ab Atomenergi Computerised User-oriented
  Services - VII - 6

- ACC - Argonne Code Centre - IX - 5

- ACCESS (see CASSI)

- ADB - Advisory and Documentation Bureau - II - 4

- AIAA - American Institute of Aeronautics and Astronautics
  - I - 3

- AIDS - Automated Information and Documentation System - XIII

- AIRA - Alberta Information Retrieval Association - IV - 18

- ALERT IV (see ASCA IV)

- AMR - American Society of Mechanical Engineers - IX - 3

- API - American Petroleum Institute - IV - 15

- APTIC - Air Pollution Technical Information Center - V- 1

- ASCA IV - Automic Subject Citation Alert IV - X - 5

- ASI - Automated System of Information - XI - 14

- ASME - American Society of Mechanical Engineers - IX - 3

- ASTI - Automated System for Sorting Information - XIII - 2

- AUTODOC - Automatic Documentation - XII - 2

- BfB - Bundesanstalt für Bodenforschung - II - 5

- BIOSIS - Biosciences Information Service of Biological
  Abstracts - VI - 1

- BIS - Brain Information Service - III - 8

- BJA - Basic Journal Abstracts - IV - 7

- BP - Bibliographie Pädagogik - XII - 6

- BRC - Biological Records Centre - VI - 2

- BRIS - Biomedical Research Information Service - III- 1

- BYGDOK - Institutet für Byggdokumentation - V

- CA - Chemical Abstracts - IV - 1

- CA Condensates - Chemical Abstracts Condensates - IV- 2

- CAB - Commonwealth Agricultural Bureaux - VI- 4/5/11, XI - 12

- CAIN - National Agricultural Library's Cain Data Tapes - II - 2

- CASSI (ex-ACCESS) - Chemical Abstracts Service Source
  Index - IV - 3

- CBAC - Chemical Biological Activities - IV - 16

- CBM - Commonwealth Agricultural Bureaux - VI- 4/5/11, XI - 12

- CEDOCAR - Centre de Documentation de l'Armement - XI - 6

- Chemie Inform - Chemie Information und Dokumentation,
  Berlin - IV - 4

- CID - Centro de Información y Documentación - X - 14

- CINDA - Computer Index for Neutron Data - VII - 3

- CNDST - Centre National de Documentation Scientifique
  et Technique - X

- CNRS - Centre National de la Recherche Scientifique - X- 3

- COMPENDEX - Computerised Engineering Index - XI - 1

- COSMIC - Computer Software Management and Information
  Center - XIII - 1

- CT - Chemical Titles - IV - 6

- DG - Documentatio Geographica - VI - 9

- ECE - Economic Commission for Europe (United Nations)

- EDIS - Elektronisches Dokumentation und Informations
  System - XI - 6

- EI - Engineering Index - XI - 1

- EIS - Engineering Information Service - XI- 1

- ELDO - European Space Vehicle Launcher Development
  Organisation - I - 1

- ELDOK - Elektro Dokumentation - IX - 7

- EM - Excerpta Medica - III - 4

- ERIC - Educational Resources Information Center - XII - 5

- ESRO - European Space Research Organisation - I - 1

- ENEA - European Nuclear Energy Agency - VII - 2

- FAO Index - Information Retrieval Service - X - 4

- GA - Geotechnical Abstracts - VI - 9

- GEO INDEX - Bibliographic Review in Geology - VI - 7

- GIPSY - New Books abroad - XII - 8

- GYPSY - Generalised Information Processing System - X - 12

- HRIS - Highway Research Information Service - V - 5

- IC/ICRS - Index Chemicus/Index Chemicus Registry System
  - IV - 19

- IDLRS - International Data Library Reference Service - XII -

- IFAC - Institut Français des Recherches Fruitières
  Outre-Mer - II - 5

- IFIS - International Food Information Service - XI - 11

- INIS - International Nuclear Information Service - VII - 1

- INSPEC - Information Service in Physics, Electro-
  technology and Control - XI - 3

- ISI - Institute for Scientific Information - IV - 19

- IPA - International Pharmaceutical Abstracts - IV - 20

- ISIS - Integrated Scientific Information Service - XII - 1

- ISKRA-ZZA - ISKRA Zavod za Automatizacijo - IX - 8

- JODC - Japanese Oceasographic Data Centre - VI - 10

- KTH - Royal Institute of Technology - X - 18

- LRIC - Learning Resources Information Centre - X - 10

- MEDLARS - Medical Literature Analysis and Retrieval
  System - III - 2

- Met. A/Met. A. Index - Metal's, Abstracts and Metal(s)
  Abstracts Index - IV - 11

- Min. Abstr. - Mineralogical Abstracts - VI - 8

- MINERVE - Mécanisation des Informations dans l'exploitation et la recherche verrière - XI - 9

- MSDC - Mass Spectrometry Data Centre - IX - 2

- NASA - National Aeronautic and Space Administration - I - 2

- NEUDADA - Neutron Data Systems for Direct Access - VII - 4

- NISPA - National Information System for Physics and Astronomy - IX - 6

- NMB - Informationsdienst für Nuklearmedizin - III - 12

- NNCSC - National Neutron Cross Section Centre - VII - 8

- NSIC - Nuclear Safety Information Center - VII - 10

- NTIS - National Technical Information Service - X - 1

- OECD - Organisation for Economic Co-operation and Development - VII - 3, 4, XII - 2

- ORNL-IIC - Isotopes Information Center - IV - 14

- OSTI - Office for Scientific and Technical Information - IX - 2, 4

- PB - Physikalische Berichte - IX - 1

- PIN - Plastic Industry Notes - IV - 9

- Pol. Doc. - Politische Dokumentation - XII - 9

- POST - Polymer Science and Technology - IV - 8

- PSI - Permuterm Subject Index - X - 5

- PUDDC - Centre for Agricultural Publishing and Documentation - II - 3

- Rev. Appl. Ent. - Review of Applied Entomology Series - VI - 5

- RGI - Research Grants Index - III - 7

- RSIC - Radiation Scielding Information Center - VII - 11

- SCI - Science Citation Index - X - 5

- SDC - Scientific Documentation Centre - X - 17

- SDI - Selective Dissemination of Engineering
  Information - XI - 5

- SDS - Space Documentation Service - I - 1

- SESAME - Système electronique de sélection automatique
  de microfilms - IX - 9

- SfB - Documentation Suisse du Bâtiment - V - 4

- SIE - Science Information Exchange - X - 16

- SIF - Science Information Facility - IV - 17

- SINFDOK - Swedish Council for Scientific Information
  and Documentation - VII - 6

- SK CSR - State Library of the Czech Socialist Republic - XII

- SOKRATUS - Czech Information Network - X - 6

- TD - Technische Dokumentation des Österreichisches
  Produktivitäts-Zentrum - X - 13

- TITUS - International Computerised System for Textile
  Information Synopsis - XI - 8

- TÜRDOK - Turkish Scientific and Technical Documentation
  Centre - X - 9

- VTEI - Czechoslovak System of Scientific, Technical
  and Economic Information - X - 7

- UEP - Union Catalog of Translation - XIII - 3

- WHO - World Health Organisation - III - 1

- ZLDI-SDI - Zentralstelle für Luftfahrtdokumentation und
  Information - I

- Zool. Rec. - Zoological Record - VI - 6

GLOSSARY OF ITEMS ON FACT SHEETS
GLOSSAIRE DES RUBRIQUES DES FICHES

Name of system	Nom du système
Official abbreviation	Sigle officiel
Address	Lieu et adresse
Téléphone	N° de téléphone
Telex	N° de télex
Cable address	Adresse télégraphique
Sponsor or controlling body	Organisme responsable ou de tutelle
Approximate total staff	Effectif total approximatif du personnel
Approximate annual budget	Budget annuel approximatif
Date of first operation	Date d'entrée en exploitation
Area and purpose of system	Domaine et but du système
Area covered	Domaine couvert
Purpose of the system	But du système
Kind of co-operation with other information systems	Types de coopération avec d'autres systèmes d'information
Information inputs	Origines de l'information
Sources	Sources
Coverage	Fonds bibliographiques
Language	Langue
Books, including bibliographies	Livres, y compris bibliographies
Journals, including abstract journals	Périodiques, y compris revues de résumés analytiques
Technical reports	Rapports techniques
General printed matter	Imprimés divers
Manuscripts	Manuscrits
Verbal data or other media e.g. films, maps, drawings, etc.	Données verbales ou autres matériaux (fiches, cartes, dessins, etc
Digested information from other systems	Information exploitée venant d'autres systèmes
Record content	Teneur des enregistrements
Author(s)	Auteur(s)
Title i.e. original title	Titre (titre original)
Abstract originated at source	Résumé fait à la source

Abstract originated by system	Résumé analytique issu du système
U.D.C. or s. _lar "universal" code	C.D.V. ou code "universel" analogue
Classification code common to area covered	Code de classification commun au domaine couvert
Classification code peculiar to system	Code de classification propre au système
Keywords, descriptors, terms	Mots-clés, descripteurs, termes
This item is present in the record	Cet élément est enregistré
This item is mandatory for output	Cet élément est obligatoirement reproduit dans la sortie
This item is optional for output	Cet élément est facultativement reproduit dans la sortie
This item is used for search	Cet élément sert à la phase d'exploration
This item is available for search	Cet élément peut être objet d'exploration
Classification basis used	Base de la classification employée
Mechanisation basis	Base de mécanisation
Media used for total record	Moyens qui sont employés comme support de l'enregistrement complet
Media used for the search record	Moyens utilisés pour l'enregistrement de la recherche
Computer based	Ordinateur
Configuration	Configuration
Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere	Configuration minimale requise pour exporer les fichiers aux fins de rappel de l'information ou pour reproduire ailleurs les résultats obtenus
Reprographic methods used to distribute the output of the system	Méthodes de reproduction employées pour communiquer les sorties du système
Output to user	Formes sous lesquelles le produit final est disponible pour l'utilisateur
Output options available	Différentes options possibles
Machine-readable format in which output is available	Présentation lisible à la machine et dans laquelle le produit final est disponible
Usage information	Renseignements concernant l'utilisation
Availability of the system	Disponibilité du système

Charge basis to users   Tarif appliqué aux utilisateurs
Estimate of input of citations   Estimation des entrées
Estimate of output of citations   Estimation des sorties
Planned developments   Développements prévus
References   Références.

I.

AEROSPACE

DOMAINE AEROSPATIAL

Name of system:	SPACE DOCUMENTATION SERVICE

Official Abbreviation:	ESRO/ELDO SDS
Address:	114 Avenue de Neuilly, 92 Neuilly-sur-Seine France.
Telephone:	637 74 00
Telex:	62389
Cable Address:	ESRO NEUILLY

Sponsor or controlling body:	European Space Research Organisation (ESRO) European Space Vehicle Launcher Development Organisation (ELDO)

Approximate total staff:	25
Approximate annual budget:	$1,000,000 (5,500,000 fr)
Date of first operation:	1965

A.

AREA AND PURPOSE OF SYSTEM

Area covered: Aeronautical engineering, aircraft, bioscience and technology, chemistry communications, computers, electrical eng, electronics, fluid mechanics, geophysics, instruments & photography, mech. engineering, metallurgy, plastic/composites, maths, meteorology, navigation, nuclear physics/eng. physics, plasma physics, propellants, propulsion systems, astronomy, space sci./tech. space vehicles, thermodynamics, structural eng.

Purpose of system: Prompt, comprehensive and effective dissemination in Europe of scientific and technical information relating to the aerospace field.

Kind of co-operation with other information systems: Basis of system is generous exchange agreement, by which the National Aeronatics and Space Administration makes available to SDS information published in Scientific & Technical Aerospace Report;

B.

INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Selected material	Several languages
Journals including abstract journals	Extensive	" "
Technical reports	"	

(ii) Digested information from other systems:

C.

RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	O	S
Title i.e. original title	X	O	
Abstract originated at source			
Abstract originated by system	X	O	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

NASA Thesaurus (NASA SP 7030)

Classification basis used:

D.   **MECHANISATION BASIS**

Media used for total record: Visible records, other computer storage, interchangeable e.g. discs.
                                computer magnetic tape

Media used for the search record: "   "   "   "   "   "   "   "   "

Computer based

Configuration: Model number: IBM 360/65; size of core: 768K; number of tape units:
                                16; disc units: 2 (2314); input and output devices: 3 printers,
                                card reader/punch, paper tape reader/punch, magnetic tape reader, 1 data
                                cell, 4 remote consoles, 1 magnetic drum

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: 1 data cell, 2 disc drives, 1 printer, 1 remote console, 2 magnetic
                                tapes. 100K

Reprographic methods used to distribute the output of the system: Citations available in microfiche or
                                hardcopy form.   Printouts printed by high speed printer and duplicated
                                by XEROX 3600 in the case of SP's.   There is no need to reproduce
                                RB's and SDI's.

E.   **OUTPUT TO USER**

Output options available: 1. Accession number format (corresponds to accession numbers in STAR/IA
                                2. Full bibliographical citation plus descriptors used for indexing/
                                        retrieval purposes.
                                3. Retrospective bibliographies: about 10 documents per day - bits
                                        between 0 and 1,000 citations.
                                4. Standard profiles. 111 titles non monthly - about 20 bits each
                                        per month.

Machine-readable format in which output is available: No

F.   **USAGE INFORMATION**

Availability of the system: Request made by letter, telephone, telex, or call.

Charge basis to users: Government sponsored institutes: RB   - fr--; SDI - 168 F each;
                                SP - 84 F each; Industry: RB - 420 F each SDI - 460 F each, SP - 84 F

Estimate of input of citations: 300 per day

Estimate of output of citations: 1,000 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

                                Data bank of reliability and quality data on electronic components
                                and materials.   Remote consoles to be installed in Member states.

REFERENCES

- Raitt, D.J.: "The European Space Documentation Service", Lib. Ass.Record, 72, 3, March 1970

Compiled by OECD

Name of system: NATIONAL AERONAUTIC AND SPACE ADMINISTRATION

Official Abbreviation: NASA (Scientific and Technical Information Facility)

Address: P.O. Box 33, College Park, Maryland 20740

Telephone: 301 779-2121

Telex:

Cable Address:

Sponsor or controlling body: National Aeronautics and Space Administration

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Approximate total staff: 300

Approximate annual budget: $5,000,000 (1970)

Date of first operation: 1962

A.   AREA AND PURPOSE OF SYSTEM

Area covered: World's Aerospace Report Literature

Purpose of the System: To make the results of worldwide research and development activities in aeronautics,
space, and supporting disciplines promptly available to participants in the programmes of the National
Aeronautics and Space Administration and to provide for the widest practicable and appropriate dis-
semination of such information.
Kind of co-operation with other information systems: Computer tapes made available to the Clearinghouse for
Federal Scientific and Technical Information (CFSTI) and to European Space Research Organisation (ESRO)

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
  NASA, NASA contractors, other U.S.   Report literature on the   All
  Government agencies, and corporations, science and technology of
  universities, and research organisations space and aeronautics
  throughout the world

(ii) Digested information from other systems: Defense Documentation Center (DDC) computer tapes;
      Dissertation Abstracts (University Microfilms, Inc.)

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title			
Abstract originated at source	X	O	A
Abstract originated by system	X	O	A
U.D.C. or similar "universal" code	X		
Classification code common to area covered	X		
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	O	A
Full text	X		

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used:

D.   MECHANISATION BASIS

Media used for total record: Magnetic tape

Media used for the search record: Magnetic tape; disc cell; disc pack

Computer based:

Configuration: IBM 360/50, 512 K core, 4 tapes, two 2314's, one 2321

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: as above

Reprographic methods used to distribute the output of the system: Microfiche

E.   OUTPUT TO USER

Output options available: Tape;   Scientific and Technical Aerospace Reports (STAR);
                                   Classified Scientific and Technical Aerospace Reports (CSTAR);
                                   Selected Current Aerospace Notices (SCAN);
                                   RECON (real-time, on-line, time-shared information retrieval by
                                   remote console;
                                   microfiche of scientific and technical reports

Machine-readable format in which output is available: Tape 7 or 9 (856 bpi) tracks

F.   USAGE INFORMATION

Availability of the system: Some information services available to registered users from the NASA
                                  Scientific and Technical Information Facility; STAR available from
                                  U.S. Government Printing Office
Charge basis to users: STAR (semi-monthly) $2.25/issue (domestic)
                                  $54/year (domestic), $68.25/year (foreign
Estimate of input of citations: Cumulative Index (semi-annual) $30/year (domestic) - $35/year (foreign)
                                  65,000 (1970)

Estimate of output of citations: 8,000,000 microfiche (1970)

G.   RECENT OR PLANNED DEVELOPMENTS

                        None

                                              REFERENCES

1. The NASA Scientific and Technical Information System ... And How to Use It,
   National Aeronautics and Space Administration

2. The NASA Scientific and Technical Information System ... Its Scope and Coverage,
   March 1970, National Aeronautics and Space Administration

3. NASA/SCAN, May 1969, National Aeruonautics and Space Administration

4. What NASA/RECON Can Do For You, July 1970, National Aeronautics and Space Administration

Compiled by   OECD

Name of system:	TECHNICAL INFORMATION SERVICE. AMERICAN INSTITUTE OF AERONAUTICS & ASTRONAUTICS

Official Abbreviation:	AIAA

Address:	750 Third Avenue, New York,,N.Y. 10017, U.S.A.

Telephone:	212 TN-78300
Telex:	TWX: 212-867-7265
Cable Address:	

Sponsor or controlling body:	American Institute of Aeronautics & Astronautics

Approximate total staff:	105
Approximate annual budget:	
Date of first operation:	1936

A. AREA AND PURPOSE OF SYSTEM

Area covered: Aerospace - Space sciences

Purpose of the System: Publication of semi-monthly International Aerospace Abstracts and Cumulated Indexes. Provision of copies of cited material - Reference service.

Kind of co-operation with other information systems: Citations in International Aerospace Abstracts included in NASA magnetic tape system

B. INFORMATION INPUTS

(i)
Sources	Coverage	Language
Books including bibliographies	Selected material	Several languages
Journals including abstract journals	Extensive	" "
Technical reports	"	" "
General printed matter	"	" "
Manuscripts	Selected material	" "

(ii) Digested information from other systems: NASA microfiche of items cited in Scientific and Technical Aerospace Reports

C. RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	O	A
Title i.e. original title	X	O	
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification basis used: NASA Thesaurus provides a structured indexing vocabulary based on over 200 groups of related subject hierarchies derived from the 34 subject categories in IAA.

D.   <u>MECHANISATION BASIS</u>

<u>Media used for total record</u>:   Computer magnetic tape, Other computer storage, interchangeable, e.g. discs

<u>Media used for the search record</u>: Computer magnetic tape, Other computer storage, interchangeable, e.g. discs

<u>Computer based</u>:   Octal based random access Master File

<u>Configuration</u>:   Remote access computer - IBM 360 MOD 50 - 9 Disks - 4 Tapes

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system</u>
<u>performance elsewhere</u>: System supports field use in configurations from IBM 1401 (4 tape drives) and
                      UP-IBM 1410, IBM 360, MOD 40, 65, etc.

<u>Reprographic methods used to distribute the output of the system</u>: 1. Chain printed listings
     2. Computer Text composition, driven by Tape output of the NASA system.

E.   <u>OUTPUT TO USER</u>

<u>Output options available</u>:   - weekly abstracts (<u>IAA</u> & <u>STAR</u>)
                               - bi-monthly dissemination by user profiles

<u>Machine-readable format in which output is available</u>:   None

F.   <u>USAGE INFORMATION</u>

<u>Availability of the system</u>:   Phone, letter, TWX, etc.

<u>Charge basis to users</u>:   None

<u>Estimate of input of citations</u>: 150 per day

<u>Estimate of output of citations</u>:

G.   <u>RECENT OR PLANNED DEVELOPMENTS</u>

                                       <u>REFERENCES</u>

Compiled by OECD

Name of system:	LAUFENDE GEZIELTE INFORMATION DER ZLDI
Official Abbreviation:	ZLDI - SDI
Address:	Zentralstelle für Luftfahrtdokumentation und -information (ZLDI) 8 München 86, Maria-Theresia-Strasse 21, Germany.
Telephone:	45 11 27
Telex:	22 324
Cable Address:	

Sponsor or controlling body: Deutsche Forschungs- und Versuchsanstalt für Luft- und Raumfahrt (DFVLR)

Approximate total staff:	70
Approximate annual budget:	DM.1,800,000.
Date of first operation:	January 1968

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Space Sciences, Aeronautics and Astronautics

Purpose of the System: Mechanised pre-selection of references for continuous information on the latest developments in specialised branches of scientific research and technology

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Partial	Severa. languages
Journals including abstract journals	"	" "
Technical reports	"	" "

(ii) Digested information from other systems: The selective dissemination of information at the ZLDI is based on both: "Scientific and Technical Aerospace Reports" (STAR) from NASA and "International Aerospace Abstracts" (IAA) from the American Institute of Aeronautics and Astronautics (AIAA)

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	X	M	S
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: NASA Thesaurus, NASA SP-7030

D.   MECHANISATION BASIS

Media used for total record: 80-column cards - Computer magnetic tape

Media used for the search record: Computer magnetic tape

Computer based:

Configuration: IBM 1460, 16K, 10 tape units

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: 6 tape units

Reprographic methods used to distribute the output of the system: Bibliographical data and abstracts
        of selected references are duplicated in usual manner

E.   OUTPUT TO USER

Output options available: NASA / IAA - accession - numbers
                             NASA - category - numbers
                             NASA / IAA - issue numbers
                             NASA - descriptors

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: A particular user circle sends requests directly to the ZLDI

Charge basis to users: None

Estimate of input of citations: 250 per day

Estimate of output of citations: 200 per day

G.   RECENT OR PLANNED DEVELOPMENTS
                   It is planned to carry out selective dissemination of information in conjunction
        with the Space Documentation Services (SDS) of ESRO in the future.
        The SDS has control over the magnetic tapes from NASA for ESRO/ELDO member states.

                                       REFERENCES

II.

AGRICULTURE

Name of system: FAO DOCUMENTATION SYSTEM

Official Abbreviation: No official one - could be FAODOC

Address: Via le delle Terme de Caracalla, Rome

Telephone: 5797

Telex: 61181 FOODAGRI

Cable Address: FOODAGRI Rome

Sponsor or controlling body: Food and Agricultural Organization of the United Nations

Approximate total staff: Seventeen (17)

Approximate annual budget: $ 160000

Date of first operation: 1st January 1967

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Agriculture, Forestry and Fisheries

Purpose of the System: 1) - Complete documentary services on FAO publications and documents
- Current Awareness Service, Retrospective Service, Question and Answer Service
2) - To serve as research and pilot documentation Centre for technical assistance projects in developing
countries in the field of agricultural Documentation.
Kind of co-operation with other information systems:
Participation in documentation activities at international, regional and national level

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
Books including bibliographies   Extensive   Official languages of FAO
Technical Reports   Extensive   Official languages of FAO
General printed matter   Selected material   Offic.al languages of FAO
Manuscripts   Selected material   Official languages of FAO
Films

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source			
Abstract originated by system	X	M	A
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used
No classification scheme is used. The system is based on the principles of coordinate indexing i.e. by making
use of a thesaurus composed of a series of standard technical terms of descriptors (3.000) completed by a
series of more specific identifying terms or specifiers (5.CCC). The procedure consists in assigning a set
of these terms to each document linking them together to form descriptive phrases. The descriptors and
specifiers contained in the latter are then permuted in a KWIC type of index produced by the computer.

D.   **MECHANISATION BASIS**

Media used for total record:

Media used for the search record:

Computer based

Configuration: Honeywell 1250, 128 k, 6 T., 5 Discs, 2 printers.

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:
Retrieval being programmed. Probably 2 discs + 2 tapes.
Equivalent of 1 IBM 3.60/40, 64 K, 4 tapes, 2 Discs.

Reprographic methods used to distribute the output of the system:
1. Computer Printouts reduced photographically for Index printing.
2. Output on Cards, for the Centre basic records.
3. Temporarily : Photocopy of Cards for special bibliographies on request. Later : retrieval through computer.

E.   **OUTPUT TO USER**

Output options available:

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system: System is available to all categories of users (institutions, libraries and documentation services, individuals) Individual request either by simple letter or through request forms inserted in each issue of the indexes.
Charge basis to users:
- Monthly Current Index : free of charge
- Other indexes : handling charge of $1 per 100 pages
Estimate of input of citations:
15 per day

Estimate of output of citations:
80 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Compiled by OECD

Name of system:	NATIONAL AGRICULTURAL LIBRARY'S CAIN DATA TAPES

Official Abbreviation:	CAIN	(cataloguing and indexing)

Address:	National Agricultural Library, Beltsville, Maryland 20705, U.S.A.
Telephone:	
Telex:	
Cable Address:	

Sponsor or controlling body:	U.S. Department of Agriculture. National Agricultural Library, Computer Applications Division, Beltsville, Maryland 20705.

Approximate total staff:

Approximate annual budget:

Date of first operation:

A. AREA AND PURPOSE OF SYSTEM

Area covered: Agriculture and related fields

Purpose of the System: To provide information

Kind of co-operation with other information systems: Information previously published in the Pesticide Documentation Bulletin is now contained in the CAIN tapes

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books and bibliographies	Extensive	English
Technical reports	Selected material	"
General printed matter	Selected material	"
Filing	Selected material	"

(ii) Digested information from other systems:

Previous PIC records (Pesticides Documentation Bulletin) contained in the current data base CAIN

C. RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	O	A
Title i.e. original title	X	M	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
   O = the item is optional for output
* C: S = the item is used for search
   A = the item is available for search

Classification basis used: Classification scheme of its own, non compatible with the old PIC records

D.   MECHANISATION BASIS

 Media used for total record:

 Media used for the search record:

 Computer based:

 Configuration: The tape is standard half-inch size, 9 track, 800 bpi, in EBCDIC, with standard
                   IBM 80 character leaders and trailers.   The length varies from 173 to 3878
                   characters, blocked 2.

 Minimum configuration required to search the files for retrieval purposes or to replicate the system
 performance elsewhere:
                            do.

 Reprographic methods used to distribute the output of the system:
         The tape is in upper case containing characters on the IBM QN train, with special indicators
         as part of the data so that it can be printed in upper and lower case using an IBM TN train
         or equivalent

E.   OUTPUT TO USER

 Output options available: Magnetic tape

 Machine-readable format in which output is available:
                            do

F.   USAGE INFORMATION

 Availability of the system: On charge to outside users.

 Charge basis to users: Merely reproduction costs: $60. for the first reel plus $47.50 for each
                           additional reel created at the same time. Complete file ($155) and monthly
                           up-date file ($60) are also available
 Estimate of input of citations:

 Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                                        REFERENCES

                                                                          Compiled by OECD

Name of system: CENTRE FOR AGRICULTURAL PUBLISHING AND DOCUMENTATION

Official Abbreviation: Pudoc

Address: 6A Duivendaal, Wageningen, Netherlands, P.O. Box 4

Telephone: 08370-5041

Telex:

Cable Address:

Sponsor or controlling body: Foundation of the Ministry of Agriculture and Fisheries

Approximate total staff: 40

Approximate annual budget: Dfl. 1,250,000

Date of first operation: 1957

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Agriculture

Purpose of the System: Publishing, advisory, training activities, and developing techniques for documentation and information retrieval in agriculture.

Kind of co-operation with other information systems: Co-operation with specialised documentation and information systems of institutes and depts. of the Agricultural University of Wageningen.

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	"
Technical reports	"	"
General printed matter	Selected material	"

(ii) Digested information from other systems: For its information tasks Pudoc employs many existing national and international bibliographical sources.

C.   RECORD CONTENT

	A*	B*	C*
Authors	X		
Source	X		
Title i.e. original title			
Abstract originated at source	X	M	S
Abstract originated by system	X	M	S
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Classification based on UDC (F.AE.Koekebakker, Landbouwcode - Dutch Agricultural Code)

D. **MECHANISATION BASIS**

Media used for total record: Visible records, source file. This guide to agricultural bibliographic literature is a loose collection of bibliographical data, classified according to Dutch Agricultural Code, **Media used for the search record:** Visible records, Source file   Arranged in hanging files.

Computer based Only the index to our weekly "Landbouwdocumentatie" (Agricultural Documentation) is made by Computer. This index is not important for our searches on request.
Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

E. **OUTPUT TO USER**

Output options available: Periodoo abstracts and indexes, Quick reference service, Bibliographical lists on
- Quick references on request (approx. 500 per year)
- Bibliographical lists on request (approx. 150 per year)
- Literature reports or reviews (approx. 12 per year)
- Periodic abstracts or indexes:
  . Landbouwdocumentatie (weekly in dutch): 7500 abstracts per year
  . Agricultural Aspects of the Common Market (monthly in English): 2000 titles per year
  . Pudoc Bulletin (quarterly in English): lists about 2500 publications per year on Dutch agricultural and biological science
  . Documentation East European Agricultural Literature (DEAL) (every other month in English and German): lists 8000 selected titles translated from East European languages, per year. Review articles.

F. **Availability of the system:** Information service open to everybody. Individual requests in any form: letter telephone, oral.

Charge basis to users: In general for Dutch scientists and advisory people information is free of charge. The charge for literature reports is based on the real costs of the information officers. The charge basis for the current awareness system is Dfl. 150 for one profile + Dfl. 1.10 for each title
Estimate of input of citations:

Estimate of output of citations:

G. **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Compiled by OECD

Name of system: ADVISORY AND DOCUMENTATION BUREAU

Official Abbreviation: ADB

Address: Department of Agricultural Research, Royal Tropical Institute, 63, Mauritskade, Amsterdam, Netherlands,

Telephone: 020 - 53152

Telex:

Cable Address: AGRON

Sponsor or controlling body: Semi-governmental organisation

Approximate total staff: 25

Approximate annual budget: D.fl.40,000.

Date of first operation: 1916

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Tropical and Subtropical Agriculture, and related fields to agriculture.

Purpose of the System: Documentation for extension services and research organisations

Kind of co-operation with other information systems:
Not as yet

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	"
Technical reports	Selected material	"
General printed matter	"	"

(ii) **Digested information from other systems:**
   None

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S + A
Source	X	M	S + A
Title i.e. original title	X	M	S + A
Abstract originated at source	X	O	S
Abstract originated by system	X	M	S + A
U.D.C. or similar "universal" code	X	M	S + A
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	not as yet		
Full text See abstract orig. by system			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: UDC SYSTEM USED. Text subdivided in: 1. subject (crop, country), 2. treatments, results, or data of experiments, reports, or literature study. 3. recommendations or conclusions.

D. <u>MECHANISATION BASIS</u>

<u>Media used for total record</u>: Visible records

<u>Media used for the search record</u>: Visible records

Computer based

<u>Configuration</u>:

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere</u>:

<u>Reprographic methods used to distribute the output of the system</u>:

E. <u>OUTPUT TO USER</u>

<u>Output options available</u>: Photocopies, original articles or abstracts

<u>Machine-readable format in which output is available</u>:

F. <u>USAGE INFORMATION</u>

<u>Availability of the system</u>: Individual request by letter, etc.

<u>Charge basis to users</u>: DFl 0.75 per photocopied text page, DFl 0.10 per photocopied filing card (abstract of article). Charge for extension services dependent on time involved.

<u>Estimate of input of citations</u>: 5 per day

<u>Estimate of output of citations</u>: 5 per day

G. <u>RECENT OR PLANNED DEVELOPMENTS</u>

A change to mechanisation in study

<u>REFERENCES</u>

Compiled by OECD

Name of system: DARIUS

Official Abbreviation: Système DARIUS

Address: Institut Français des Recherches Fruitières Outre-Mer (IFAC)
           6, rue du Général Clergerie, Paris 16e

Telephone: 553 16 92

Telex:

Cable Address: IFACOLO-PARIS

Sponsor or controlling body: Ministère des Affaires Etrangères, Secrétariat d'Etat à la Coopération

Approximate total staff: 8

Approximate annual budget: 600 000 French francs

Date of first operation: Manual   : 1943
                           Computerised : 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Tropical and sub-tropical fruits (their agriculture and technology)

Purpose of the System: The setting-up of bibliographies and indexes by means of pre-coordinated
                         descriptors

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   .   Sources   Coverage   Language

           Books, including bibliographies   Sélective   Several languages
           Journals, including abstracting journals   "   "
           Technical reports   "   "
           General printed matter   "   "

(ii)   Imported information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	x	M	
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system	X	M	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Pre-coordinated descriptors

D.   MECHANISATION BASIS

<u>Media used for total record</u>:   Computer magnetic tape and discs

<u>Media used for the search record</u>: Computer magnetic tape and discs

Computer based   IBM 360-30

<u>Configuration</u>:   64 K octets core
                    4 based units
                    4 disc units 2311

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere</u>:
                    as above

<u>Reprographic methods used to distribute the output of the system</u>:
  Offset edition based on a half-size photographic reduction

E.   OUTPUT TO USER

<u>Output options available</u>:   - Monthly 75-pages publication (each page is composed of 2 100-line
                                      columns, each line having up to 62 characters)

<u>Machine-readable format in which output is available</u>:   Magnetic tape

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F.   USAGE INFORMATION

<u>Availability of the system</u>:   By subscription to the Journal FRUITS (Fruits d'Outre-Mer)

<u>Charge basis to users</u>:   The Subscription rate to the journal

<u>Estimate of input of citations</u>: 350 per month

<u>Estimate of output of citations</u>: 350 per month

G.   RECENT OR PLANNED DEVELOPMENTS

                    Programmes for selective distribution by profiles

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                                    REFERENCES
- Ph. Aries: "Préparation d'index pour un ordinateur à l'Institut Français de Recherches fruitières
            Outre-Mer (IFAC) Bulletin des Bibliothèques de France, 1967, p. 297-310.
- Ph. Aries: "Du bon usage de l'ordinateur par les centres de documentation spécialisés". Bulletin
            des Bibliothèques de France, 1968, p. 531-539.
- HEURTEY : Bulletin d'informations 1970, n° 50, P. 28-33.

Name of the system: BUNDESANSTALT FÜR BODENFORSCHUNG

Official Abbreviation: BfB

Address: D 3000 Hannover-Buchholz, Box 54

Telephone: (0511) 64681

Telex: 09 23 730

Cable Address: Bundboden Hannover

Sponsor or controlling body: Bundes Wirtschaftsministerium

Approximate total staff: actually 4, planned 21

Approximate annual budget: Included in the Budget of BfB

Date of first operation: in development, first operation planned for winter 1971/72

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Geosciences (geology, geophysics, mineralogy, plaeontology)

Purpose of the System: Bibliographic information

Kind of co-operation with other information systems: Dept. Documentation du bureau de recherches géologiques et minières, Paris/Orléans. Planned Cooperation in the field of indexing, Development of compatible magnetic tapes.

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Exhaustive	Several languages
Journals including abstract journals	"	"
Technical reports	partial	National language
Manuscripts	"	Several languages

(ii) Digested information from other systems: none

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:
System of defined Keywords subordinated to ca. 20 general aspects of geosciences. The thesaurus contains ca. 2000 terms for geosciences and related sciences, and ca. 850 geographical terms. It is possible to represent all minerals in chemical coded form (i.e. ca. 3000), and to give palaeontological names as specifications to broader terms (i.e. unlimited in number)

The thesaurus is first published by BRGM: Liste alphabétique de mots-clés et présentation sous forme de schémas flèches. Paris: B.R.G.M. 1968, 46 p.

In the meantime there are several minor alterations, not yet published.

D.   MECHANISATION BASIS

Media used for total record: Visible records, Computer magnetic tape

Media used for the search record: Computer magnetic tape

Computer based

Configuration: planned SIEMENS 4004/46

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system: Optical terminal and/or printer

E.   OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: directly to BfB, Referat Dokumentation

Charge basis to users: small protective charge

Estimate of input of citations: ca. 180 to 200 per day

Estimate of output of citations: not yet known

G.   RECENT OR PLANNED DEVELOPMENTS

REFERENCE:

III.

BIOMEDICINE

BIOMEDECINE

Name of system: WHO BIOMEDICAL RESEARCH INFORMATION SERVICE

Official Abbreviation: WHO/BRIS

Address: Avenue Appia,   CH.1211,Geneva,   Switzerland

Telephone: 34 60 61

Telex: 22 3 35

Cable Address: UNISANTE

Sponsor or controlling body: WORLD HEALTH ORGANIZATION

Approximate total staff:

Approximate annual budget:

Date of first operation: 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Biomedical Sciences

Purpose of the System: Worldwide Biomedical Research in Progress, with the following final coverage:
50,000 Research Institutions (5%);   250,000 Scientists (10-20%);   750,000 Research Projects (30-40%)
Percentages change in annual updating.

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)	Sources	Coverage	Language
Questionnaires with date on:-	(National Research organizations & admin.	Extensive	Several languages
	(Research Institutiona	Selected	" "
	(Research Projects	Selected	" "
	(Research Scientists (biblio-	Selected	" "
	(graphic)		
(ii) Digested information from other systems:			

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source	X	O	A
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	O	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Digital, decimal, hierarchical system up to 9 subheadings;   key words

D.   MECHANISATION BASIS

Media used for total record:

Media used for the search record:

Computer based   IBM 350/40

Configuration: 35 Retrieval programs.   Stored on tape (research project and numerical code)
                    and discs (scientis`s and institutions, key words).

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:
                    Tape, disc, and printed Research in progress

E.   OUTPUT TO USER

Output options available: – Specific requests
                           – Study of Research trends – monography
                           – Directories, Inventories of Institutions and scientists
                           – National and International planning and co-ordination

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: On request

Charge basis to users:

Estimate of input of citations:

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                    The system is presently under review
Future developments: Cardiovascular Research, Dental Health, Human Reproduction, Veterinary Medicine

                                            REFERENCES

Name of system: MEDICAL LITERATURE ANALYSIS AND RETRIEVAL SYSTEM

Official Abbreviation: MEDLARS

Address: 8650 Rockville Pike,
Bethesda,
Maryland 20014 (U.S.A.)

Telephone:

Telex:

Cable Address:

Sponsor or controlling body: NATIONAL LIBRARY OF MEDICINE

Approximate total staff: 175

Approximate annual budget:

Date of first operation: operational from January 1964

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Biomedical Sciences

Purpose of the System: To achieve rapid bibliographic access to the Library's vast store of biomedical journal information - To provide references to the biomedical literature to researchers, clinicians and other health professionals.

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   **Sources**   **Coverage**   **Language**
2300 Biomedical Journals (45% foreign)   Comprehensive   40 languages
250 Primary Journals with median
     currency of 56 days

XXXXXXIXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

- Time of search in U.S. (7 - 30 days)
- Three levels of searching: AND/OR/NOT logic
- Mesol headings printed with citation

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source	X	O	A
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered	X	O	A
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:
     The one used by National Library of Medicine.

D.

MECHANISATION BASIS

<u>Media used for total record:</u>   One 12 inch tape = 30,000 Citations;   file = 46 tapes
Usually batch 25-30 searches a time

<u>Media used for the search record:</u>

Computer based   NCM: Honeywell H-800, H-200;   Photon 90: 226 characters, speed 300 characters/sec.
7 magnetic tape drive
<u>Configuration:</u>   Other computers: English Electric KDF9, IBM 360, 7094, 7090

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:</u>

<u>Reprographic methods used to distribute the output of the system:</u>
- Photon ZIP 902 (500-800 characters/second) $ 285,000
- Linotron 1010 (CBS Mergenthaler) 1100 characters/sec, used by GPO
- RCA Videocomp (Spectra 70)
- IBM 2680 (Produced by Alphanumeric)
** - IBM 2280 Film Recorder: Chemical Abstracts Service, 2000/3000 characters/sec;   1500 character set needed

E.

OUTPUT TO USER

<u>Output options available:</u> - Index Medicus, monthly, 3 print index terms (average)
- Cumulated Index Medicus; 2 author, 5 subject volumes (1x1 Subscribers, 7000)
- Medical Subject Headings (Me SH)
- List of Journals Indexed in Index Medicus

- Bibliography of Medical Reviews
- NLM Current Catalogue (monthly, quarterly or annual
<u>Machine-readable format in which output is available:</u> - Recurring Bibliographies (18 up to date) cumulations)
- Prepared Bibliographies (some 120)
- Demand Bibliographies (12,000 per year in U.S. for
individual requests)

F.

USAGE INFORMATION

<u>Availability of the system:</u>   On request

<u>Charge basis to users:</u>   For charges see Ref. 1 below, p. 16-17

<u>Estimate of input of citations:</u>) Store of 1,250,000 citations from mid. 1963 to September 1970
)
)
<u>Estimate of output of citations:</u>)
U.S. Tape Searches = 8,500/year
U.K. Tape Searches = 1,900/year

G.

RECENT OR PLANNED DEVELOPMENTS

Medlars II: New hardware. Abstracts on file. On-line Access and time-sharing
facilities contract with SCD (Santa Monica) for ORBIT (On-line retrieval of Bibliographical Text)

REFERENCES

National Library of Medicine - Guide to MEDLARS Services
- The Principles of MEDLARS

** - Photon 200 (User to print J. Chem. Doc., J. Chem. & E. of Data, I. & E.C.., Product Research, etc.
- Lumitype (Photon) 713 Phototype setter: Physics Abstracts 1700 character set needed, yields
25 characters/second.
- IBM 1403 Printer (modified) 120 character set, 40 lines/second used for CBH & POST
- Fototronic - CRT (Harris Intertype Corp.) (1000 char./sec., 4-24 points)

Compiled by OECD

Name of system:	MEDICAL LITERATURE ANALYSIS AND RETRIEVAL SYSTEM (GERMANY)
Official Abbreviation:	MEDLARS
Address:	DIMDI - Deutsches Institut für medizinische Dokumentation und Information Weisshausstr. 27, 5 Cologne 41, Germany.
Telephone:	(0211) 44 20 81
Telex:	888 1364
Cable Address:	
Sponsor or controlling body:	Ministry of Youth, Family and Health
Approximate total staff:	38
Approximate annual budget:	DM.1.9 million
Date of first operation:	March 1968

A.   **AREA AND PURPOSE OF SYSTEM**

Area covered: Biomedicine

Purpose of the System: At DIMDI: To provide physicians and scientists with bibliographies for special demands

Kind of co-operation with other information systems:
In preparation: Use of the register numbers of Chemical Abstracts

B.   **INFORMATION INPUTS**

(i)	Sources	Coverage	Language
	Journals (including abstract journals)	Exhaustive	Mainly English and German

(ii) Digested information from other systems:

C.   **RECORD CONTENT**

	A*	B*	C*
Authors	X	M	A
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X		A
Keywords, descriptors, terms	X	M	S
Full text			

```
* A:   X = the item is present in the record
* B:   M = the item is mandatory for output
       O = the item is optional for output
* C:   S = the item is used for search
       A = the item is available for search
```

Classification basis used:
Specific polihierarchical classification

D.   MECHANISATION BASIS

Media used for total record: Magnetic tape, discs, etc.

Media used for the search record: 80-column punched cards, magnetic tape, discs, core, etc.

Computer based:

Configuration: Siemens 4004/55

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system: The records are printed either on
    four inch pasteboard cards or on DIN A 4 paper by an MDS computer printer

E.   OUTPUT TO USER

Output options available: Retrospective bibliographies on special demand   (a single bibliography includes
                          on average several hundred citations)

Machine-readable format in which output is available: Possible, but not used:
                                                        - magnetic tapes for on-line printing
                                                        - magnetic tapes for off-line printing

F.   USAGE INFORMATION

Availability of the system: In the Federal Republic of Germany only through DIMDI

Charge basis to users: Until now free of charge

Estimate of input of citations: 220,000 per year (for the whole system)

Estimate of output of citations: 5,000 (at DIMDI)

G.   RECENT OR PLANNED DEVELOPMENTS

                In accordance with the development of MEDLARS II, the introduction of an on-line
                retrieval is planned

REFERENCES

Compiled by OECD

Name of system:	EXCERPTA MEDICA
Official Abbreviation:	EM
Address:	Herengracht 364, Amsterdam, Holland.
Telephone:	22 21 38
Telex:	14664
Cable Address:	Medicadam

Sponsor or controlling body:

Approximate total staff: Specialist staff editors 80; S ...list Abstractors 4000: Other Editorial
                                                                                    Staff 120.

Approximate annual budget:

Date of first operation:

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Biomedical Sciences

Purpose of the System: Monitoring, Abstracting, Translating, Classifying and Indexing the Biomedical Literature:
3400 journals (20,000 issues/year) plus reports and conference papers (60% of World's Biomedical literature)

Kind of co-operation with other information systems: Exchange

B.   INFORMATION INPUTS

(i)

Sources	Coverage	Language
Journals	Extensive	Several languages
Technical Ruports	Selected material	"
Conference papers	Selected material	"
Abstracting journals	Extensive	"

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	M	A
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system	X		
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X		S
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for searc :

Classification basis used: Indexed by: (1) 31 Sections: Basic Medical Science Clinical Specialities Disease
                                                                                                            Entities.
                                (2) EMCLASS (EM Classification Systems) 3000 polyhierarchically linked categories
                                    for all 31 sections.

                                (3) EMCO (EM Computer Index) monthly and cumulated annually
                                    MALIMET (Masterlist of Medical Indexing Terms)

D.   **MECHANISATION BASIS**

<u>Media used for total record</u>: Two Card Random Access Memory (CRAM) NCR 315/353-5 108 symbols for
                                    major storage (extendable to 16), 2 magnetic tape U.

<u>Media used for the search record</u>:

<u>Computer based</u>:   NRC-315 RMC-501 Computer (20K memory extendable to 160K)
                                    NCR-321 Switching Computer for up to 100 on-line Telephone Units
<u>Configuration</u>:

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere</u>:

<u>Reprographic methods used to distribute the output of the system</u>:

E.   OUTPUT TO USER

<u>Output options available</u>:   - Classified titles (per medical specialists)
                                    - Classified Indexed Bibliography
                                    - Abstracting Journal

<u>Machine-readable format in which output is available</u>:

F.   USAGE INFORMATION

<u>Availability of the system</u>:

<u>Charge basis to users</u>:

<u>Estimate of input of citations</u>:   60% of world's Biomedical Literature

<u>Estimate of output of citations</u>:   Up to 1969:   220,000 citations, 160,000 Abstracts

G.   RECENT OR PLANNED DEVELOPMENTS

                                   REFERENCES

Name of system: EXCERPTA MEDICA AUTOMATED STORAGE AND RETRIEVAL SYSTEM

Official Abbreviation:

Address: Herengracht 364,
Amsterdam, The Netherlands

Telephone: 22 21 38

Telex: 14 664

Cable Address: MEDICADAM

Sponsor or controlling body:

Approximate total staff: 20 Systems Engineers and Programmers (EMF INFONET, or Data Processing Division of
EMF)
Approximate annual budget:

Date of first operation: Operational from Autumn 1968

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Biomedical Sciences

Purpose of the System: Program for Computer-Based Production of Excerpta Medica Publications and
Services for SDI and Specialised Information Centres

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
        Journals   Extensive   Several languages
        Technical Reports   Selected material   "
        Conference papers   Selected material   "
        Abstracting journals   Extensive   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system	X		A
U.D.C. or similar "universal" code			
Classification code common to area covered .			
Classification code peculiar to system	X		S
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:
        Item Index: (Up to 999 pre-established concepts of general nature, e.g. age, sex, in vivo, etc.)

D.

MECHANISATION BASIS

<u>Media used for total record:</u> Two Card Random Access Memory (CRAM) NCR 315/353-5 108 symbols for major storage (extendable to 16), 2 magnetic tape U.

<u>Media used for the search record:</u>

<u>Computer based:</u> NRC-315 HMC-501 Computer (20K memory extendable to 160K)
NCR-321 Switching Computer for up to 100 on-line telephone units

<u>Configuration:</u>

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:</u>

<u>Reprographic methods used to distribute the output of the system:</u>

E.

OUTPUT TO USER

<u>Output options available:</u> – 1 month: Classified titles (per medical speciality)
– 2-3 months: Classified Indexed Bibliography
– 4-5 months: Abstracting Journal (31)
– On-line searches

<u>Machine-readable format in which output is available:</u>

F.

USAGE INFORMATION

<u>Availability of the system:</u>

<u>Charge basis to users:</u>

<u>Estimate of input of citations:</u>   60% of world's Biomedical Literature.

<u>Estimate of output of citations:</u>

G.

RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Name of system: DE HAEN

Official Abbreviation: de Haen

Address: Paul de Haen, Inc., 11 West 42nd St., New York, N. Y. 10036

Telephone: (212) 564-6560

Telex: none

Cable Address: none

Sponsor or controlling body: Paul de Haen, Inc.

Approximate total staff: 25

Approximate annual budget:

Date of first operation: January 1, 1963

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Biomedical Literature

Purpose of the System: To provide specialized excerpts from the biomedical literature, covering drug synthesis, drug research and clinical use. Computerized indices are provided, suitable for rapid retrieval and research purposes.

Kind of co-operation with other information systems: Working on uniform therapeutic drug classifications with government and private agencies.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Biomedical literature   Over 400 journals   English   Hungarian
                                                       French   Polish
                                                       German   Russian
                                                       Italian   Spanish

(ii) Digested information from other systems: None

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	-
Source	X	M	-
Title i.e. original title	X	M	-
Abstract originated at source	-	-	-
Abstract originated by system	X	M	-
U.D.C. or similar "universal" code			
Classification code common to area covered	-	-	-
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	-	-	-
Full text	X	M	-

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:
                Therapeutic, Pharmacologic and Chemical, developed by de Haen.

D. **MECHANISATION BASIS**

Media used for total record: Printed Index compiled by computer

Media used for the search record: Printed Index or Magnetic Tape

Computer based

Configuration: Honeywell H-1200 and Honeywell H-2200

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system: Index cards and printed indices.

E. **OUTPUT TO USER**

Output options available: Original excerpts; annotated citations; printed indices; magnetic tape; microfilm.

I. de Haen Drugs in Prospect	(Record and Source of NEW DRUG SYNT..ESIS)
II. de Haen Drugs in Research	(Bibliographic and Annotated Record of Drugs under Investigation)
III. de Haen Drugs in Use/Drugs in Combination	(Record and Source of Clinical Drug Experience)
IV. de Haen Drugs in Medical Practice (U.S.A.)	(Bibliographic and Annotated Record of Drugs in use in the U.S.A.)

Machine-readable format in which output is available: Printed indices, magnetic tape.

F. **USAGE INFORMATION**

Availability of the system: Index cards and printed   computerized indices.

Charge basis to users: Annual subscription, for each service.

Estimate of input of citations: Over 10,000 annually.

Estimate of output of citations: Over 10,000 annually.

G. **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Compiled by OECD

Name of system: RESEARCH GRANTS INDEX; and MEDICAL AND HEALTH RELATED SCIENCES THESAURUS

Official Abbreviation: RGI

Address: Research Documentation Section, Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20014.

Telephone: 301-496-7543

Telex:

Cable Address:

Sponsor or controlling body: National Institutes of Health, Dept. of Health, Education & Welfare, Bethesda, Md.

Approximate total staff: 35 plus computer assistance from personnel elsewhere in the Statistics & Analysis
Analysis Branch   Branch
Approximate annual budget: $350,000, excluding computer operations

Date of first operation: Prior to 1961

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Medical, dental, and related basic sciences areas, as well as mental health, sociological and environmental sciences

Purpose of the System: To disseminate information about current research supported by the grants programmes of the Public Health Service of the Dept. of Health, Education and Welfare.

Kind of co-operation with other information systems: None

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
    Technical reports   Selected material   National language only

(ii) Digested information from other systems: Linked to an internal master file which contains fiscal data, name and address of sponsoring institution, and project title pertaining to research grant under which investigator (author) is pursuing research.

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	
Source	X	O	
Title i.e. original title	X	O	
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system		O	S
Keywords, descriptors, terms		O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: "Medical and Health Related Sciences Thesaurus", Public Health Service Publication No. 1031, March 1963 and revised editions. Available at Government Printing Office, Supt. of Documents, Washington, D.C. and compiled by the Research Documentation Section, Statistics and Analysis Branch, Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20014

D.   MECHANISATION BASIS

    Media used for total record: Computer magnetic tape, Other computer storage, interchangeable, e.g. discs,
                                 Other computer storage, system-bound, e.g. core
    Media used for the search record: 80-column cards, Computer magnetic tape, Other computer storage, inter-
                              changeable, e.g. discs. Other computer storage, system-bound, e.g. core
    Computer based

    Configuration: IBM 360/65 - Configuration for Query programme: core, 110,500 bytes;
                             card reader, printer, 1 tape unit, 3 (2314) disc units.

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere: Query programme requires an IBM 360/65; card reader, printer, 1 tape unit,
                         3 discs (2314)

    Reprographic methods used to distribute the output of the system: Magnetic tape with indicators for
     processing by the U.S. Government Printing Office's Linotron equipment which produces paper
     positives from which negatives are made for offset printing of an annual publication, the
     RESEARCH GRANTS INDEX.

E.   OUTPUT TO USER

    Output options available: Diagnostic error reports, Size depends on input size. Two fixed format
                        reports from query, variable size, One variable format report from
                        query, variable size.

    Machine-readable format in which output is available: N.A.

F.   USAGE INFORMATION

    Availability of the system: Annual RESEARCH GRANTS INDEX available by purchase from GPO, as noted above.
       Other services available only through Division of Research Grants, National Institutes of Health,
       Bethesda, Maryland, (attn: Research Documentation Section).
    Charge basis to users:

    Estimate of input of citations: About 17,000 projects (depth indexing of applications, progress reports)
                           yearly.

    Estimate of output of citations: As above

G.   RECENT OR PLANNED DEVELOPMENTS
               Refinements of present system.

REFERENCES

| Name of system: | BRAIN INFORMATION SERVICE |

| Official Abbreviation: | BIS |

| Address: | School of Medicine, University of California, Los Angeles, California 90024, U.S.A. |

| Telephone: | 213-825-6474 |

| Telex: | UCLA |

| Cable Address: | |

| Sponsor or controlling body: | National Institute of Neurological Diseases and Stroke (a part of the National Institute of Health) |

| Approximate total staff: | 30 |

| Approximate annual budget: | $300,000. |

| Date of first operation: | July 1964 |

A.
AREA AND PURPOSE OF SYSTEM

Area covered: The fields of neuroanatomy, neurophysiology, neurochemistry, neuroendocrinology, and neuropharmacology of the central nervous system (brain and spinal cord). (Clinical neurology and behavioral psychology are not included).

Purpose of the System: To provide to scientists and clinicians concerned with the basic neurological sciences bibliographic services in their fields and to promote the preparation of reviews and other syntheses of neurological information.

Kind of co-operation with other information systems: The Brain Information Service is part of the Neurological Information Network of the National Institute of Neurological Diseases and Stroke

B.
INFORMATION INPUTS

(i)
Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	"
Technical reports	Selected material	"
General printed matter	Partial	"
Manuscripts	"	"

(ii) Digested information from other systems: Selected citations from National Library of Medicine MEDLARS citation files - approximately 2,500 citations per month.

C.
RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification basis used:

D. <u>MECHANISATION BASIS</u>

<u>Media used for total record</u>: 80-column cards, Other computer storage, interchangeable, e.g. discs
Other computer storage, system-bound, e.g. core

<u>Media used for the search record</u>: Other computer storage, interchangeable, e.g. discs

<u>Computer based</u>: Ye·

<u>Configuration</u>: IBM 360/91; 2,000,000 bytes of core; 8 tape units; 2 IBM 2314 disk units; batch and terminal input and output.

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere</u>: Estimated 160,000 byte core and 2314 disk unit; IBM 360 series.

<u>Reprographic methods used to distribute the output of the system</u>:

E. <u>OUTPUT TO USER</u>

<u>Output options available</u>: - 3 x 5 cards or 132 character-line computer paper
- photo reduced computer print-out

<u>Machine-readable format in which output is available</u>: Print formats on tape are available.

F. <u>USAGE INFORMATION</u>

<u>Availability of the system</u>: Qualified scientists and physicians may apply for services.

<u>Charge basis to users</u>: No charges except for cumulated monthly or semi-monthly bibliographic bulletins.

<u>Estimate of input of citations</u>: 100 per day

<u>Estimate of output of citations</u>: No estimate made

G. <u>RECENT OR PLANNED DEVELOPMENTS</u>

Completion of retrospective citation file to include selected citations from MEDLARS, 1964-1970 and all citations indexed by BIS.

<u>REFERENCES</u>

Compiled by OECD

Name of system: INFORMATION CENTER FOR HEARING, SPEECH, AND DISORDERS OF HUMAN COMMUNICATION

Official Abbreviation:

Address: 310 Harriet Lane Home, The John Hopkins Medical Institutions, Baltimore, Maryland 21205

Telephone: (301) 955-3390

Telex:

Cable Address:

Sponsor or controlling body: National Institute of Neurological Diseases and Strokes

Approximate total staff: 32

Approximate annual budget:

Date of first operation: May 1966

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Hearing, language, speech and disorders of human communication

Purpose of the System: To serve as a national focal point for the identification, storage, retrieval, analysis, repackaging and dissemination of information for interested investigators and clinicians

Kind of co-operation with other information systems: Participation in the National Neurological Information Network. cooperation with the National Library of Medicine and other networks

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Journals including abstract journals   Extensive   Several languages
Technical reports   Selected material   "
General printed matter   "   "   "
Manuscripts   "   "   "

(ii) Digested information from other systems:

                 No

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source	X	O	A
Abstract originated by system	X	O	A
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Classification is not used in our system

D. <div align="center">**MECHANISATION BASIS**</div>

Media used for total record: Visible records, 80-column cards, computer magnetic tape, other computer storage, interchangeable e.g. discs.

Media used for the search record: Visible records, computer magnetic tape, other computer storage, interchangeable e.g. discs

Computer based

Configuration: CDC 330, core = 325K, Tape units = 5, Disc units = 1 (130 million characte 1 card reader, 1 512 printer, 1 punch, 3 dial TTY, 1 200 user's terminal

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:
16 K

Reprographic methods used to distribute the output of the system:

E. <div align="center">**OUTPUT TO USER**</div>

Output options available:

Machine-readable format in which output is available: Punched cards, 7 track tape (556 density, odd parity, binary)

F. <div align="center">**USAGE INFORMATION**</div>

Availability of the system:

Charge basis to users: None at present

Estimate of input of citations:

Estimate of output of citations:

G. <div align="center">**RECENT OR PLANNED DEVELOPMENTS**</div>

<div align="center">**REFERENCES**</div>

<div align="right">Compiled by OECD</div>

<u>Name of system:</u>   BIOMEDICAL INFORMATION PROJECT (Formerly: International Absorption Information Centre)

<u>Official Abbreviation:</u>   None

<u>Address:</u>   Physiology Department, University, Sheffield, U.K.

<u>Telephone:</u>   Sheffield 78555, Ext. 633

<u>Telex:</u>

<u>Cable Address:</u>

<u>Sponsor or controlling body:</u>   OSTI

<u>Approximate total staff:</u>   3 graduate - 3 clerical

<u>Approximate annual budget:</u>   £10,000.

<u>Date of first operation:</u>   January 1967

A.   AREA AND PURPOSE OF SYSTEM

<u>Area covered:</u>   Cell membrane structure and function (Physiology, Biochemistry)

<u>Purpose of the System:</u>   1. Provision of services
                            2. Research in information retrieval technique and user requirements in
                                biology and medicine

<u>Kind of co-operation with other information systems:</u>

B.   INFORMATION INPUTS

(i)   <u>Sources</u>   <u>Coverage</u>   <u>Language</u>
    Books including bibliographies   Selected material   National language only
    Journals including abstract journals   Extensive & selected   Other languages also
                                            material

(ii) <u>Digested information from other systems:</u>

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source	X	O	
Abstract originated by system	X	O	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X		S
Full text	:	O	

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

<u>Classification basis used:</u>

D. <div align="center">**MECHANISATION BASIS**</div>

Media used for total record: Computer tape store used primarily for production of printed-out
Articulated Subject Indexes

Media used for the search record: As above

Computer based:

Configuration: SRC Atlas, Chilton, Didcot, Berks.
ICT 1907, Sheffield University

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: Not applicable : printed out indexes are reproduced and distributed to all
subscribers

Reprographic methods used to distribute the output of the system: Photographic reduction of lineprinter O/P
for production of metal offset litho plates, or direct copy of SC 4020 O/P on to paper plates
by xerography.

E. <div align="center">**OUTPUT TO USER**</div>

Output options available: Printed out indexes are reproduced and distributed to all subscribers

Machine-readable format in which output is available:

F. <div align="center">**USAGE INFORMATION**</div>

Availability of the system: In writing, by phone or personal contacts

Charge basis to users:

Estimate of input of citations: 3½ per day

Estimate of output of citations: 15 per day

G. <div align="center">**RECENT AND PLANNED DEVELOPMENTS**</div>
<div align="center">Extension of services into related fields of physiology.</div>

<div align="center">**REFERENCES**</div>

Information Scientist, vol. 3, pp. 13-30, 1969

<div align="right">Compiled by OECD</div>

Name of system: ANAESTHETIC LITERATURE - FEATURE CARD INDEX

Official Abbreviation:

Address: King's College Hospital,
Denmark Hill, S.E.5, U.K.

Telephone: 274-6222

Telex:

Cable Address: Unselfish

Sponsor or controlling body:

Approximate total staff: 1

Approximate annual budget:

Date of first operation: 1966

A.   **AREA AND PURPOSE OF SYSTEM**

Area covered: Anaesthesia

Purpose of the System: Retrieval of references in subject speciality

Kind of co-operation with other information systems:

B.   **INFORMATION INPUTS**

(i)   Sources   Coverage   Language

     Journals including abstract journals   National language only

(ii) Digested information from other systems:

C.   **RECORD CONTENT**

	A*	B*	C*
Authors	X	O	
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Faceted classification

D.   MECHANISATION BASIS

Media used for total record: Edge-punched or coincidence cards

Media used for the search record: Edge-punched or coincidence cards

Computer based:

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: Available to any individual who wishes to set up the system - either buying
his own feature cards and punching them, or by a commercial organisation
(J.C.Jolley & Partners Ltd.) using the Anaesthetic Literature List of Anaesthesia

Charge basis to users:

Estimate of input of citations: 1.5 per day

Estimate of output of citations: 0.5 per day

G.   RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Compiled by OECD

Name of system: INFORMATIONSDIENST FUR NUKLEARMEDIZIN

Official Abbreviation: NMB

Address: Klinikum Steglitz der Freien Universität Berlin, Nuklearmedizinische Abteilung,
            Leiter: Prof. Dr. K. Oeff, 1 Berlin 45, Hindenburgdamm 30, Germany

Telephone: 79802845/46

Telex: 184 873 uklin

Cable Address:

Sponsor or controlling body: Bundesminister für Bildung und Wissenschaft,
                              532 Bad Godesberg, Deutschherrnstr. 87

Approximate total staff: 9 persons

Approximate annual budget: DM.100,000.

Date of first operation: 1960

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Nuclearmedicine and nuclear biology

Purpose of the System: (a) Publication oft the "Literaturliste für Nuklearmedizin" (semi-monthly)
                        (b) Preparation of retrospective bibliographies
                        (c) Selected dissemination of information

Kind of co-operation with other information systems: Preparation of bibliographies for the ZAED Karlsruhe

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
     Books including bibliographies   Selected material   Several languages
     Journals including abstract journals Extensive   "
     Technical reports   Selected material   "
     Manuscripts   "   "   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	
Abstract originated at source		.	
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D. <u>MECHANISATION BASIS</u>

<u>Media used for total record</u>:   Visible records, Computer magnetic tape

<u>Media used for the search record</u>: Visible records,   Punched cards, including edge-punched or
coincidence cards, Computer magnetic tape

<u>Computer based</u>:   Siemens 2002

<u>Configuration</u>:

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere</u>:

<u>Reprographic methods used to distribute the output of the system</u>:   Photo offset, Teletype-printer
High-speed-printer

E. <u>OUTPUT TO USER</u>

<u>Output options available</u>:   (a) Bibliographies (paper body)
(b) Card files (DIN A 7)

"Literateur-Liste Nuklearmedizin"

<u>Machine-readable format in which output is available</u>:   Punched paper tape

---

F. <u>USAGE INFORMATION</u>

<u>Availability of the system</u>:   Letter, phone, etc.

<u>Charge basis to users</u>: (a) Bibliographie (Literaturliste NM): free
(b) Up-to-date Kartei (SDI): DM.0.15/card

<u>Estimate of input of citations</u>:   80 per day

<u>Estimate of output of citations</u>:

G. <u>RECENT OR PLANNED DEVELOPMENTS</u>

Change from Siemens 2002
to Siemens 4004

<u>REFERENCES</u>

Name of system: OFFICE OF INFORMATION,   BUREAU OF RADIOLOGICAL HEALTH

Official Abbreviation: BRH

Address: 12720 Twinbrook Parkway, Rockville, Maryland 20852, U.S.A.

Telephone: (301) 496-8975

Telex: N.A.

Cable Address: N.A.

Sponsor or controlling body: Environmental Health Service

Approximate total staff: 6 man hours for document retrieval activities.   Total BRH staff 828

Approximate annual budget: N.A.

Date of first operation: 1965 for document retrieval, 1958 for BRH

A.   AREA AND PURPOSE OF SYSTEM

Area covered: X ray, particle accelerators, electronic product radiation, radium and other radioactive
              materials, nuclear reactors, fallout, radiation biological effects, and standards and
                          recommendations related to radiological health.

Purpose of the System: To service the BRH staff and scientific community in regard to the collection
              and retrieval of significant literature.   Services are also available to the
              general public as resources permit.

Kind of co-operation with other information systems: Copies of the Bureau of Radiological Health
              publications given to the Clearinghouse for Federal Scientific and Technical
              Information for reproduction and sale to general public.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
    Books including bibliographies   Selected material   National language only
    Journals including abstract journals   "   "   "   "   "
    Technical reports   "   "   "   "   "
    General printed matter   "   "   "   "   "
    Manuscripts

(ii) Digested information from other systems: None

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	M	S
Full text	X	O	

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Free key wording   (Termatrex system)

D. <u>MECHANISATION BASIS</u>

<u>Media used for total record:</u>   Visible records -   Punched cards.

<u>Media used for the search record:</u> Visible records -   Punched cards.

<u>Computer based:</u>

<u>Configuration:</u>

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:</u>   N.A.

<u>Reprographic methods used to distribute the output of the system:</u>

                N.A.

E. <u>OUTPUT TO USER</u>

<u>Output options available:</u>

<u>Machine-readable format in which output is available:</u>

F. <u>USAGE INFORMATION</u>

<u>Availability of the system:</u>

<u>Charge basis to users:</u>   None

<u>Estimate of input of citations:</u>   40 per day

<u>Estimate of output of citations:</u>   40 per day

G. <u>RECENT OR PLANNED DEVELOPMENTS</u>

<u>REFERENCES</u>

Compiled by OECD

Name of system:	INDEX RADIOHYGIENICUS

Official Abbreviation:	

Address:	Research Institute for Radiohygienics, Prague, Czechoslovakia,

Telephone:	228341
Telex:	
Cable Address:	

Sponsor or controlling body:	Ministry of Health

Approximate total staff:	4
Approximate annual budget:	50.000 Kcs
Date of first operation:	1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Radiobiology, radiohygienics

Purpose of the System: KWIC index of the world literature in the given subject

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Books including bibliographies   Selected material   Several languages
Journals including abstract journals   "   "   "   "
Technical reports   "   "   "   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X		
Title i.e. original title	X		
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       0 = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: KWIC INDEX

D.   MECHANISATION BASIS

Media used for total record: Computer magnetic tape

Media used for the search record: Visible records

Computer based: MINSK 22

Configuration: 8K, 16 mtp, 2 input units, printer

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:
                                8 mtp, printer, 1 input unit

Reprographic methods used to distribute the output of the system:
                   PHOTO-OFFSET

E.   OUTPUT TO USER

Output options available: Paper tape, magnetic tape, printer
                             8,000 items in 10 numbers of the journal
                             cumulations twice a year

Machine-readable format in which output is available: Partly in paper tape

F.   USAGE INFORMATION

Availability of the system:

Charge basis to users: Yearly $15.

Estimate of input of citations: 30 per day

Estimate of output of citations: 30 per day

G.   RECENT OR PLANNED DEVELOPMENTS

                   Simple SDI

                                    REFERENCES

Name of System: INSTITUT FUR DOKUMENTATION UND INFORMATION UBER SOZIALMEDIZIN
UND OFFENTLICHES GESUNDHEITSWESEN

Official Abbreviation: -

Address: Westerfeldstr. 17, P.O. 5408, 47 Bielefeld (Germany)

Telephone: 85034/86035

Telex: _

Cable Address: _

Sponsor or controlling body: Arbeits und Sozialministerium Nordrheim - Westfalen, Düsseldorf

Approximate total staff: 35

Approximate annual budget:

Date of first operation:

A. **AREA AND PURPOSE OF SYSTEM**

Area covered: Public Health, Health training, Occupational safety and health, Air pollution,
Insurance medicine, Statistical medicine, Occupational medicine, etc.

Purpose of the System: Information on the activities of the Institute by means of publications,
question and answer service, etc.

Kind of co-operation with other information systems:

B. **INFORMATION INPUTS**

(i)   Sources   Coverage   Language

Books including bibliographies   Selective   Several
Journals including abstract journals   Selective   Several
Technical reports   Selective   Several
Manuscripts   Selective   Several

(ii) Digested information from other systems:

C. **RECORD CONTENT**

	A*	B*	C*
Authors	X	O	A
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system	X	O	A
U.D.C. or similar "universal" code	X	O	A
Classification code common to area covered	X	O	A
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Thesaurus of its own

D. MECHANISATION BASIS

Media used for total record: Visible records, 80-column cards, computer magnetic tape

Media used for the search record: Visible records, computer magnetic tape

Computer based   IBM 360/30

Configuration: 64K, 6 Basic units 2400, 2 disc units 2311, printed tape lector 1402, Printer 1403

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

E. OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:

F. USAGE INFORMATION

Availability of the system:

Charge basis to users: Reports are free of charge

Estimate of input of citations: 200 per day

Estimate of output of citations: 120 per day

G. RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Information on the Institute available at its publication "Literaturflut und Informationen"

Compiled by ECE

Name of the system: DOKUMENTATION KRANKENHAUSWESEN

Official Abbreviation:

Address: Deutsches Krankenhausinstitut, 4 Düsseldorf, Terstoegenstr. 9, Germany

Telephone: Düsseldorf 43 44 22

Telex:

Cable Address:

Sponsor or controlling body: Deutsches Krankenhausinstitut and Arbeits-and Sozialminister des Landes Nordrhein-Westfalen

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Approximate total staff: 6

Approximate annual budget: 130.000 DM

Date of first operation: 1953

A.   AREA AND PURPOSE OF SYSTEM

Area covered:

Purpose of the System: Documentation and information in the field of Hospital care.

Kind of co-operation with other information systems: Exchange of information and publications with Medlars. Foreign periodicals are evaluated for this system in Belgium, Brazil, Netherlands and Poland.

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books, including bibliographies	Selected	Several languages
Journals including abstract journals	"	"
Technical reports	"	"
General printed matter	"	"
Manuscripts	"	"

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Thesaurus for the field of hospital care which is developed by Deutsches Krankenhausinstitut and Institut für Krankenhausbau.

D.   <u>MECHANISATION BASIS</u>

    <u>Media used for total record</u>:   Punched cards, including edge punched of coincidence card,
                                Computer magnetic tape
    <u>Media used for the search record</u>: Visible records
                                Other punched cards, including edge-punched or coincidence cards
    Computer based

    <u>Configuration</u>:   Siemens 4004/45 seven tape units

    <u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere</u>:   Five tape units, Reader for punched tapes

    <u>Reprographic methods used to distribute the output of the system</u>: Computer – outprints are photographed
    and printed on DIN A 4 – paper with the system of Rotaprint

E.   <u>OUTPUT TO USER</u>

    <u>Output options available</u>:

    <u>Machine-readable format in which output is available</u>:

F.   <u>USAGE INFORMATION</u>

    <u>Availability of the system</u>:   by telephon, by letter, personally

    <u>Charge basis to users</u>: "Informationsdienst Krankenhauswesen"
                         80 DM a year
                         Special searches free of charge
    <u>Estimate of input of citations</u>: 8,5 per day

    <u>Estimate of output of citations</u>: 2,6 searches per day

G.   <u>RECENT OR PLANNED DEVELOPMENTS</u>

        1. Intensifying the cooperation with other European countries
        2. Coding the thesaurus of hospital care on punched tapes

<u>REFERENCES</u>

Compiled by ECE

IV.

CHEMISTRY AND CHEMICAL ENGINEERING

CHIMIE ET GENIE CHIMIQUE

Name of system: CHEMICAL ABSTRACTS

Official Abbreviation: CA

Address: Chemical Abstracts Service,
The Ohio State University,
Columbus, Ohio 43210

Telephone: 614-422-5022

Telex: 810-482-1608

Cable Address:

Sponsor or controlling body: American Chemical Society

Approximate total staff: CA 1,000 full-time staff and CA 3,000 volunteer abstractors

Approximate annual budget: $16.4 million (1969)

Date of first operation: 1907

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Chemistry and Chemical Engineering

Purpose of the System: Abstracts of documents relevant to chemistry and chemical engineering.   Coverage
includes over 12,000 journals, as well as the patents of 26 countries, new books,
conference proceedings, and government research reports pertinent to the chemical sciences

Kind of co-operation with other information systems: Some input information received from Chemie Information
und Dokumentation, Berlin, successor to Chemische Zentralblatt

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
Books including bibliographies   Extensive   Several languages
Journals including abstract journals   "   "
Technical reports   "   "
General printed matter   Selected material   "

(ii) Digested information from other systems:

(1) Dissertation Abstracts
(2) Nuclear Science Abstracts
(3) Official Gazette, U.S. Patent Office (Defensive Publications)
(4) Otkrytiya, Isobreteniya, Promyshlennye Obraztsy, Tovarnye Znaki
(5) Referativnyi Zhurnal

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source	X	O	
Abstract originated by system	X	O	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	
Keywords, descriptors, terms	X	M	S(1)
Full text			

* A: X = the item is present in the record   (1) Patent Concordance on magnetic tape, index of duplicate
* B: M = the item is mandatory for output   patents, that correspond to patents for which an abstract
      O = the item is optional for output   has been previously published in CA.
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Abstracts are classified by subject and are assigned to one of 80 categories
or Sections.   A listing of the Sections covered is given in each issue of CA.   The arrangements of
abstracts within any given Section of CA places journal-article abstracts first, new book announcements
second, and patent abstracts third.

The abstract number, in boldface at the head of each abstract and book announcement runs continuously
through an entire volume.   The letter following each number is a computer-generated check-letter by
which each reference can be computer-validated.   Check letters have been used since Volume 66.

D.   <u>MECHANISATION BASIS</u>

<u>Media used for total record:</u> Visible records, Computer magnetic tape, Other computer storage, inter-
changeable, e.g. discs

<u>Media used for the search record:</u> Visible records, Computer magnetic tape (patent concordance only)
Indexes are computer produced. Presently selected sections are being produced via computer
<u>Computer based:</u> driven photocomposition systems as part of a step-wise conversion to all computer composition.

<u>Configuration:</u>   IBM Model 360/50 (256K)   IBM 2280 Film Processor   IBM 2420 V Tape Drive (12)
IBM Model 360/50 (384K)   IBM 2314 Disk Facility (2)
IBM 1403 N1 Printers (3)   IBM 2401 II Tape Drives (2)
IBM 2250 Cathode Ray Tube Display IBM 2401 V Tape Drives (4)
<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:</u>   Not applicable

<u>Reprographic methods used to distribute the output of the system:</u> Traditional hot-metal publication system
for most abstract sections of issues. Selected sections are being produced by computer systems as a
part of a step-wise conversion to complete computer composition.

Computer composition for all issue, volume and collective indexes.

E.   <u>OUTPUT TO USER</u>

<u>Output options available:</u> Printed form issued in 2 volumes of abstracts per year, 26 issues per volume.
Volume indexes are issued twice a year. Collective indexes issued every 5 years. Microfilm form of
abstracts only issued in 8-10 130 ft. 16 mm reels per year. Computer-readable form of patent con-
cordance issued 26 times annually on one 2400 ft. reel of magnetic tape per issue.

<u>Machine-readable format in which output is available:</u>

F.   <u>USAGE INFORMATION</u>

<u>Availability of the system:</u> Residents of the U.K. and Ireland should contact The Chemical Society, Publications
Sales Office, Blackhorse Road, Letchworth, Hertfordshire, England (Telephone:
Letchworth 5817) for all subscription information and business transactions.
Residents of the Federal Republic of Germany should contact Verlag Chemie, 6940 Weinheim Postfach 129/149,
Fed. Rep. of Germany (Tel: Sammelnummer 06201 3635: Teletype: Chemie Verlag Weinheimbergstr. 465516) for
all subscription information and business transactions.

Residents of the U.S. and all other countries, with the exception of the U.K. and Ireland and the
Federal Republic of Germany, should contact the (Chemical Abstracts Service, Marketing Department, The
Ohio State University, Columbus, Ohio 43210 (Telephone: 614 422-5022; teletype: 810 482-1608),
for all subscription information, remittances, changes of address and claims for missing issues

<u>Estimate of input of citations:</u>   Approximately 1,000 abstracts are processed per workday

<u>Estimate of output of citations:</u>

G.   <u>RECENT OR PLANNED DEVELOPMENTS</u>

                                   <u>REFERENCES</u>

Compiled by OECD

Name of System: CHEMICAL ABSTRACTS CONDENSATES

Official Abbreviation: CA Condensates

Address: Chemical Abstracts Service,
The Ohio State University,
Columbus, Ohio 43210.

Telephone: 614-422-5022

Telex: 810-482-1608

Cable Address:

Sponsor or controlling body: American Chemical Society

Approximate total staff: CA. 1,000 full-time staff and CA. 3,000 volunteer abstractors

Approximate annual budget: $16.4 million (1969)

Date of first operation: 1968

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Chemistry and Chemical Engineering

Purpose of the System: Computer-readable data base which provides a number of searchable data items from the corresponding issue of CA.   Data items included are: titles of papers, patents and reports, names of authors and assignees, bibliographic citations and keywords from the CA Issue Keyword Index.

Kind of co-operation with other information systems: None

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language

(i)
Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	"
Technical reports	"	"
General printed matter	Selected material	Selected material
Manuscripts		

(ii) **Digested information from other systems:**   Chemistry and Chemical Engineering

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code	X	M	S
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: ASTM Coden are used to specify journal of origin plus a computer-calculated sixth character to assure Coden reliability in computer-based systems.   The abstract number, corresponding to the CA abstract number, runs continuously through an entire volume.   The letter following each number is a computer-generated check letter by which each reference can be computer validated.

D.   MECHANISATION BASIS

Media used for total record: Computer magnetic tape, Other computer storage, interchangeable, e.g. discs

Media used for the search record: Computer magnetic tape

Computer based: Yes

Configuration: IBM Model 360/50 (256K)   IBM 2314 Disk Facility (2)
                  "   "   "   (384K)   "   2401 II Tape Drives (2)
                  "   1403 N1 Printers (3)   "   2401 V Tape Drives (4)
                  "   2250 Cathode Ray Tube Display "   2420 V Tape Drives (12)
Minimum configuration "required to search the files for retrieval purposes or to replicate the system
                      "   2280 Film Processor
performance elsewhere:

   IBM 1401 System   IBM 360 BPS   IBM 360 OS
   8K Characters of Storage   16K Bytes of Core Storage   44K Bytes of Core Storage
   4, Magnetic Tape Units   4, 2400 Series Tape Units,   1,2540 Card Reader
   1, IBM 1402 Card Reader and Punch   Models I, II, III   5, 2400 Series 9-track tape
   1, IBM 1403 or 1404 Printer   1, IBM 1052 Console   drives (Up to 4 disk drives
   High-low-equal-compare   1, IBM 2540 Card Printer & Punch   may replace up to 4 tape drives)
      (Special Feature)   1, IBM 1403 Printer   1, 1052 Console typewriter
   Sense Switches
   Advanced Programming
      (Special Feature)

Reprographic methods used to distribute the output of the system:

        No printed version is produced for distribution

E.   OUTPUT TO USER

Output options available: Computer-readable form issued weekly in 2 volumes per year;   26 issues per volume;
   1, 2400 ft. reel of magnetic tape per issue

                                                    Computer-readable data files available on magnetic tape
                                                     1401 System   360 System   only:
Machine-readable format in which output is available: 7 track 556 bpi   7 track 556 bpi
Coding is in EBCDIC (S/360) or BCDIC (1401);   7 track 800 bpi   7 track 800 bpi
56-character subset of EBCDIC   9 track 800 bpi

F.   USAGE INFORMATION
                            Residents of the U.K. and Ireland should contact The Chemical Society, Publica-
Availability of the system: tions Sales Office, Blackhorse Road, Letchworth, Hertfordshire, U.K. (Tel:
Letchworth 5817) for all subscription information and business transactions.
Residents of the Federal Republic of Germany should contact Verlag Chemie, 6940 Weinheim Postfach 129/149,
FRG (Tel: Sammelnummer 06201 3635: Teletype: Chemie-Verlag Weinheimbergstr. 465516) for all subscription
information and business transactions.

Residents of the U.S. and all other countries, with the exception of the U.K. and Ireland and the
Federal Republic of Germany, should contact the (Chemical Abstracts Service Marketing Department,
The Ohio State University, Columbus, Ohio 43210 (Tel: 614-422-5022, Teletype 810-482-1608) for
all subscription information, remittances, changes of address and claims for mission issues.

Estimate of input of citations:
                            Approx. 1,000 citations are processed per workday

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

            None

                                           REFERENCES

Information Services 1970, current catalogue of available information services.
"Standard Distribution Format Technical Specifications".
"Data Content Specifications for CA Condensates in Standard Distribution Format".
"Samples of CA Condensates Data Elements in Standard Distribution Format".
"Search Guide for Chemical Titles, Basic Journal Abstracts and CA Condensates".
"Text Searching, IBM 1401 System".
"Text Searching, IBM 360 BPS".
"Text Searching, IBM OS/360".
Available from Chemical Abstracts Service, Columbus, Ohio 43210.

Compiled by OECD

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IV-3	USA
CHEMISTRY	

Name of System: CHEMICAL ABSTRACTS SERVICE SOURCE INDEX (formerly ACCESS)

Official Abbreviation: CASSI

Address: Chemical Abstracts Service
The Ohio State University
Columbus, Ohio 43210
Telephone: 614-422-5022

Telex: 810-482-1608

Cable Address:

Sponsor or controlling body: American Chemical Society

Approximate total staff: CA. 1,000 full time staff and CA. 3,000 volunteer abstractors

Approximate annual budget: $16.4 million (1969)

Date of first operation: 1969

A. <div align="center">AREA AND PURPOSE OF SYSTEM</div>

Area covered: Chemical Sciences

Purpose of the System: Reference tool designed to aid in the location of journals, patents, congress and symposium proceedings that compose the original literature of the chemical sciences of the past 140 years.

Kind of co-operation with other information systems: Library holdings information has been supplied by 397 libraries, 325 in the U.S. and 72 in 27 other countries.

B. <div align="center">INFORMATION INPUTS</div>

(i) Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	"
Technical reports	"	"
General printed matter	Selected material	"

(ii) **Digested information from other systems:**

    None

C. <div align="center">RECORD CONTENT</div>

	A*	B*	C*
Authors			
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code	X	M	
Classification code common to area covered	X	M	
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used:

· Entries are catalogued according to the American Library Association Cataloging rules.

· Titles are abbreviated according to the American National Standards Institute practices.

ASTM Coden are used to specify journal of origin plus a computer-calculated sixth character to assure Coden reliability in computer-based systems. In the Keyword-In-Context Index these are combined with a group of digits representing the volume and a second group of digits representing the page number of the publication cited.

Library identification is made by National Union Catalog (NUC) symbols.

Directories of participating libraries are alphabetically arranged by NUC symbol and parent organization.

D.   MECHANISATION BASIS

Media used for total record: Visible records, Computer magnetic tape, Other computer storage, inter-
                                                                              changeable, e.g. discs.
Media used for the search record: Visible records.

Computer based   CASSI is computer-produced via computer-driven photocomposition systems; presently
                                                                       the IBM 2280 system is used.
Configuration: IBM Model 360/50 (256K)   IBM 2250 Cathode Ray Tube Display   IBM 2401 II Tape Drives (2)
                    IBM Model 360/50 (384K)   IBM 2280 Film Processor   IBM 2401 V Tape Drives (4)
                    IBM 1403 N1 Printers (3)   IBM 2314 Disk Facility (2)   IBM 2420 V Tape Drives (12)

**Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:**

             Not applicable

Reprographic methods used to distribute the output of the system:

       Offset plates prepared from computer-driven chain printer output.

E.   OUTPUT TO USER

Output options available: Published in 1969; quarterly printed supplements issued in December, March
and June each year.   A cumulative quarterly incorporating the first three and new material issued each
September.

Machine-readable format in which output is available:

Not available.

F.   USAGE INFORMATION

Availability of the system: Residents of the United Kingdom and Ireland should contact The Chemical Society,
                                 Publications Sales Office, Blackhorse Road, Letchworth, Hertfordshire, England
(Telephone: Letchworth 5817) for all subscription information and business transactions.

Residents of the Federal Republic of Germany should contact Verlag Chemie, 6940 Weinheim Postfach 129/149,
Federal Republic of Germany (Telephone: Sammelnummer 06201 3635: Teletype: Chemieverlag Weinheimbergstr.
465516) for all subscription information and business transactions.

Residents of the United States and all other countries, with the exception of the United Kingdom and Ireland
and the Federal Republic of Germany, should contact the Chemical Abstracts Service Marketing Department, the
Ohio State University, Columbus, Ohio 43210 (Telephone: 614-422-5022, Teletype: 810-482-1608) for all sub-
scription information, remittances, changes of address and claims for missing issues.

Charge basis to users:

Estimate of input of citations: Approximately 25 bibliographic citations are processed per workday

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                                             REFERENCES

Name of the system: CHEMIE-INFORMATION UND- DOKUMENTATION BERLIN

Official Abbreviation: ChemInform

Address: 1 Berlin 30, Geisbergstr. 39, Germany

Telephone: 211 90 91

Telex:

Cable Address:

Sponsor or controlling body: GESELLSCHAFT DEUTSCHER CHEMIKER

Approximate total staff: 150

Approximate annual budget: 1,2 Million US $

Date of first operation: 1830 publication CHEMISCHES ZENTRALBLATT
                              1970 publication CHEMISCHER INFORMATIONSDIENST

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Inorganic, physical, low molecular Organic Chemistry

Purpose of the System: ChemInform serves scientists and industrial chemists to keep them abreast and
to facilitate their efforts of being informed.
The cooperation with CAS reflects the trend to develop an international information network.

Kind of co-operation with other information systems: 1) International Documentation of Chemistry (IDC),
Frankfurt/M.   2) Chemical Abstract Service (CAS)

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

 Journals   Selected   Several languages

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	O	S
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	S
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Own system

D. MECHANISATION BASIS

Media used for total record: Visible records, Computer magnetic tape, Other computer storage, interchangeable, e.g. Discs

Media used for the search record: as above

Computer based

Configuration: IBM 360-20, 24 K, 4 tapeunits 2415, 1 disc unit 2311, paper-tapereader Facit PE 1001, MFCM 2560, printer 1403

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: as above

Reprographic methods used to distribute the output of the system: Offset printing for the issue indexes, Composer typesetting and offset printing for the abstracts part.

E. OUTPUT TO USER

Output options available: printed weekly issue of "CHEMISCHER INFORMATIONSDIENST"
part A (inorganic and physical chemistry), 15 000 abstract/year
part B (low molecular organic chemistry), 20 000   "   "

Machine-readable format in which output is available: magnetic tape, 9-track, 800 bpi

F. USAGE INFORMATION

Availability of the system:

Charge basis to users: printed issue, part A DM 700) if subscription order is higher than 10 copies
                                   part B DM 750) the prices are reduced to DM 550 per copy
                        tape services in the developmental stage free of charge.
Estimate of input of citations: 100 per day

Estimate of output of citations:

6. RECENT OF PLANNED DEVELOPMENTS
            SDI-services

REFERENCES

Name of system:	CHEMICAL TITLES

Official Abbreviation:	CT

Address:	Chemical Abstracts Service, The Ohio State University, Columbus, Ohio 43210.
Telephone:	614-422-5022
Telex:	810-482-1b08
Cable Address:	

Sponsor or controlling body:	American Chemical Society

Approximate total staff:	CA. 1,000 full-time staff and CA. 3,000 volunteer abstractors
Approximate annual budget:	$16.4 million (1969)
Date of first operation:	1961

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Chemistry and Chemical Engineering

Purpose of the System: Reports of titles of selected papers published in current chemical journals. CT is designed as an alerting service for chemists and chemical engineers to enable them to keep abreast of the current information appearing in approximately 700 chemically-oriented journals.

Kind of co-operation with other information systems: None

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Journals including abstract journals	Selected material	Several languages

(ii) Digested information from other systems: None

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code	X	M	S
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: ASTM Coden are used to specify journal of origin plus a computer-calculated sixth character to assure Coden reliability in computer-based systems. In the Key-word-In-Context Index these are combined with a group of digits representing the volume and a second group of digits representing the page number of the publication cited.   Journals are listed in the Bibliography alphabetically with their tables of contents.

D.

MECHANISATION BASIS

Media used for total record: Visible records, Computer magnetic tape, Other computer storage,
interchangeable, e.g. discs

Media used for the search record: Visible records,   Computer magnetic tape

Computer based: Yes

Configuration:

IBM Model 360/50 (256K)	IBM 2314 Disk Facility (2)
" " " (384K)	" 2401 II Tape Drives (2)
" 1403 N1 Printers (3)	" 2401 V Tape Drives (4)
" 2250 Cathode Ray Tube Display	" 2420 V Tape Drives (12)
" 2280 Film Processer.'	

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

IBM 1401 System	IBM 360 BPS	IBM 360 OS
8K Characters of Storage	16K Bytes of Core Storage	44K Bytes of Core Storage
4, magnetic tape units	4, 2400 Series Tape Units,	1, 2540 Card Reader
1, IBM 1402 Card Reader and Punch	Models I, II, III	5, 2400 series 9-track tape
1, IBM 1403 or 1404 Printer	1, IBM 1052 Console	drives (up to 4 disk drives may
High-low-equal-compare (Special Feature)	1, IBM 2540 Card Printer	replace up to 4 tape drives)
Sense Switches	and Punchb	1, 1403 Printer
Advanced Programming (Special Feature)	1, IBM 1403 Printer	1, 1052 Console typewriter

Reprographic methods used to distribute the output of the system:

Offset plates prepared from computer-driven printer output

E.

OUTPUT TO USER

Output options available: Printed form published bi-weekly.   Computer-readable form issued every other
week, 26 times annually on 1 2,400 ft. reel of magnetic tape per issue.

Machine-readable format in which output is available:

Computer-readable data files available on magnetic tape only.

1401 System	360 System
7 track 556 bpi	7 track 556 bpi
7 track 800 bpi	7 track 800 bpi
	9 track 800 bpi

Coding is in EBCDIC (S/360) or BCDIC (1401);
56-character subset of EBCDIC

F.

USAGE INFORMATION

Availability of the system: Residents of the U.K. and Ireland should contact The Chemical Society, Publica-
tions Sales Office, Blackhorse Road, Letchworth, Hertfordshire, England
(Tel: Letchworth 5817) for all subscription information and business transactions.
Residents of the Federal Republic of Germany should contact Verlag Chemie, 6940 Weinheim Postfach 129/149,
FRG (Tel: Sammelnummer 06201 3635: Teletype: Chemie-Verlag Weinheimbergstr. 465516) for all subscription
information and business transactions.

Residents of the U.S. and all other countries, with the exception of the U.K. and Ireland and the Federal
Republic of Germany, should contact the (Chemical Abstracts Service Marketing Department, The Ohio State
University, Columbus, Ohio 43210 (Tel: 614-422-5022, Teletype 810-482-1608) for all subscription infor-
mation, remittances, changes of address and claims for missing issues.

Estimate of input of citations: Approx. 500 titles are processed per workday

Estimate of output of citations:

G.

RECENT OR PLANNED DEVELOPMENTS

REFERENCES

"Information Services 1970", current catalogue of available information services.
"Search Guide for Chemical Titles, Basic Journal Abstracts and CA Condensates".
"Title Searching, IBM 1401 System".
"Title Searching, IBM 360 BPS".
"Title Searching, IBM OS/360".
"Preparation of Search Profiles".
"Standard Distribution Format Technical Specifications".
All available from Chemical Abstracts Service, Columbus, Ohio 43210

Name of system:	CHEMICAL TITLES (Current Awareness and Retrospective)
Official Abbreviation:	CT
Address:	Information Retrieval, Research Council of Alberta, 1135 - 89 Avenue, Edmonton, Alberta.
Telephone:	(403) 433-6421
Telex:	037-2147
Cable Address:	AIRA

Sponsor or controlling body:	Alberta Information Retrieval Association

Approximate total staff:	10
Approximate annual budget:	N.A.
Date of first operation:	1967

A. **AREA AND PURPOSE OF SYSTEM**

Area covered: Chemistry

Purpose of the System: Current awareness and retrospective searches of Chemical Titles Tapes and COMPENDEX tapes

Kind of co-operation with other information systems: Close co-operation with CAN/SDI - National Science Library at Ottawa, Ontario

B. **INFORMATION INPUTS**

(i)	Sources	Coverage	Language
	Journals and abstract journals	Extensive	Several languages

(ii) Digested information from other systems:

C. **RECORD CONTENT**

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
        O = the item is optional for output
* C: S = the item is used for search
        A = the item is available for search

Classification basis used:
                   No system classification is used in the Chemical Titles searches

D.

MECHANISATION BASIS

Media used for total record: Computer magnetic tape

Media used for the search record: "   "   "

Computer based: IBM 360/67

Configuration: 768 bytes of core, 8 tape units (2-7 track, 6-8 track),
2 disk units, 1 drum, 2 card reader punches and 2 printers

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: Current awareness: 3 tape units, 100 K bytes of core (in addition to operating
system), 1 card reader and 1 printer.
Retrospective: As above, plus 1 direct access unit

Reprographic methods used to distribute the output of the system:

    Computer printout

E.

OUTPUT TO USER

Output options available: - The user question
- Citations satisfying the question
Each citation consists of author, title, journal name, volume, issue and page.
A double printout is received of the above information

Machine-readable format in which output is available: None

F.

USAGE INFORMATION

Availability of the system:

Charge basis to users:

Estimate of input of citations:

Estimate of output of citations:

G.

RECENT OR PLANNED DEVELOPMENTS

REFERENCES

N: system: BASIC JOURNAL ABSTRACTS

Official Abbreviation: BJA

Address: Chemical Abstracts Service,
                          The Ohio State University
                          Columbus, Ohio 43210.
Telephone: 614-422-5022

Telex: 810-482-1608

Cable Address:

Sponsor or controlling body: American Chemical Society

Approximate total staff: CA. 1000 full-time staff and CA. 3000 volunteer abstractors

Approximate annual budget: $16.4 million (1969)

Date of first operation: 1967

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Chemistry and Chemical Engineering

Purpose of the System: Abstracts of papers of chemical and chemical engineering interest from selected
    primary journals in computer-readable form.

Kind of co-operation with other information systems: Some input information received from Chemie Information
    und Dokumentation, Berlin, successor to Chemisches Zentralblatt.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
       Journals including abstract journals   Selected material   Other languages also

(ii) Digested information from other systems: None

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system	X	M	S
U.D.C. or similar "universal" code	X	M	S
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Abstracts are numbered consecutively from first issue

D.

MECHANISATION BASIS

<u>Media used for total record</u>: Visible records, Computer magnetic tape, Other computer storage, interchangeable, o.g. discs

<u>Media used for the search record</u>: Visible records, Computer magnetic tape

<u>Computer based</u>:   Yes

<u>Configuration</u>:   IBM Model 360/50 (256K)   IBM 2314 Disk Facility (2)
                 "   "   "   (384K)   " 2401 II Tape Drives (2)
             " 1403 N1 Printers (3)   " 2401 V Tape Drives (4)
             " 2250 Cathode Ray Tube Display   " 2420 V Tape Drives (12)
             " 2280 Film Processor

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere</u>:

IBM 1401 System	IBM 360 BPS	IBM 360 OS
8K Characters of Storage	16K Bytes of Core Storage	44K Bytes of Core Storage
4, Magnetic Tape Units	4,2400 Series Tape Units,	1, 2540 Card Reader
1, IBM 1402 Card Reader and Punch	Models I, II, III	5, 2400 series 9-track tape drives
1, IBM 1403 or 1404 Printer	1, IBM 1052 Console	(Up to 4 disk drives may replace
High-low-equal-compare	1, IBM 2540 Card Printer	up to 4 tape drives)
(Special Feature)	and Punch	1, 1403 Printer
Sense Switches	1, IBM 1403 Printer	1, 1052 Console typewriter
Advanced Programming		
(Special Feature)		

<u>Reprographic methods used to distribute the output of the system</u>:

Offset plates prepared from computer-driven chain printer output.

E.

OUTPUT TO USER

<u>Output options available</u>: Printed form issues in 26 issues per year to BJA computer tape subscribers only

Computer-readable form issued every other week, 26 times annually on 1, 2,400 ft. magnetic tape reel per issue.

<u>Machine-readable format in which output is available</u>:
Coding is in EBCDIC (S/360) or BCDIC (1401);
56-character subset of EBCDIC

Computer-readable data files available on magnetic tape only:

1401 System	360 System
7 track 556 bpi	7 track 556 bpi
7 track 800 bpi	7 track 800 bpi
	9 track 800 bpi

F.

USAGE INFORMATION

<u>Availability of the system</u>: Residents of the U.K. and Ireland should contact The Chemical Society, Publications Sales Office, Blackhorse Road, Letchworth, Hertfordshire, England (Tel: Letchworth 5817) for all subscription information and business transactions.
Residents of the Federal Republic of Germany should contact Verlag Chemie, 6940 Weinheim Postfach 129/149, FRG (Tel: Sammelnummer 06201 3635: Teletype: Chemie-verlag Weinheimbergstr. 465516) for all subscription information and business transactions.

<u>Estimate of input of citations</u>:
                    Approx. 25 abstracts are processed per workday

<u>Estimate of output of citations</u>:

6.

RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Information Services 1970, current catalogue of available information services.
"Standard Distribution Format Technical Specifications".
"Search Guide for <u>Chemical Titles</u>, <u>Basic Journal Abstracts</u>, and <u>CA Condensates</u>"
"Text Searching, IBM 1401 Systems"
"Text Searching, IBM 360 BPS"
"Text Searching, IBM OS/360"
"Preparation of Search Profiles"
All available from Chemical Abstracts Service, Columbus, Ohio 43210.

Compiled by OECD

Name of system: POLYMER SCIENCE AND TECHNOLOGY

Official Abbreviation: POST-J, POST-P

Address: Chemical Abstracts Service,
                         The Ohio State University,
Telephone: Columbus, Ohio 43210
                         614-422-5022
Telex: 810-482-1608
Cable Address:

Sponsor or controlling body: American Chemical Society

Approximate total staff: CA. 1,000 full-time staff and CA. 3,000 volunteer abstractors
Approximate annual budget: $16.4 million (1969)
Date of first operation: 1967

A.   **AREA AND PURPOSE OF SYSTEM**

Area covered: Polymer Chemistry

Purpose of the System: Digests of current chemical documents in the journal and patent literature related
                        to the field of polymer chemistry. It is published in two parts: POST-J covering
                        the journal literature; POST-P the patent

Kind of co-operation with other information systems: Some input information received from Chemie Information
                        und Dokumentation, Berlin, successor to Chemisches Zentralblatt

B.   **INFORMATION INPUTS**

(i)   Sources   Coverage   Language
    Journals including abstract journals   Selected material   Other languages also
    Technical reports   "   "   "   "   "

(ii) Digested information from other systems: Otkrytiya, Isobreteniya, Promyshlennue Obraztsy,
                                               Tovarnye Znaki

C.   **RECORD CONTENT**

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source	X	O	S
Abstract originated by system	X	O	S
U.D.C. or similar "universal" code			
Classification code common to area covered	X	M	S
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
        O = the item is optional for output
* C: S = the item is used for search
        A = the item is available for search

Classification basis used: The Digest Section is divided into 6 subject categories. Digests are listed
                            alphabetically by journal title within these categories.
                            Digests are numbered consecutively for each volume.

D.

MECHANISATION BASIS

Media ueed for total record: Visible records, Computer magnetic tape, Other computer storage, inter-
changeable, e.g. discs

Media ueed for the search record: Vieible records, Computer magnetic tape

Computer based: Yes

Configuration:

IBM Model 360/50 (256K)	IBM 2314 Disk Facility (2)	
" " " (384K)	" 2401 II Tape Drives (2)	
" 1403 N1 Printers (3)	" 2401 V Tape Drives (4)	
" 2250 Cathode Ray Tube Display	" 2420 V Tape Drives (12)	
" 2280 Film Processor		

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

Offset plates prepared from computer-driven chain printer output.

Structural formulas are hand-drawn and stripped-in to spaces dedicated in computer-driven production

E.

OUTPUT TO USER

Output options available: Issued in 2 parts: POST-J and POST-P, each are distributed:

(a) in the printed form, in 2 volumes annually; 13 issues per volume
with cumulative indexes issued semi-annually

(b) in computer-readable form, in 2 volumes annually; 13 issues per
volume; one 2400 ft. reel of magnetic tape per issue

Machine-readable format in which output is available: Computer-readable data files available on magnetic tape
Coding is in EBCDIC (S/360) or BCDIC (1401);
56-character subset of EBCDIC

	1401 System	360 System	only.
	7 track 556 bpi	7 track 556 bpi	9 track 800 bpi
	7 track 800 bpi	7 track 800 bpi	

F.

USAGE INFORMATION

Availability of the system: Residents of the U.K. and Ireland contact The Chemical Society, Publications Sales
Office, Blackhorse Road, Letchworth, Hertfordshire, England (Tel: 5817) for all
subscription information and business transactions.
Residents of the Federal Republic of Germany should contact Verlag Chemie, 6940 Weinheim Postfach 129/149,
F.R.G. (Tel: Sammelnummer 06201 3635: Teletype: Chemie-verlag Weinheimbergstr. 465516) for all subscription
information and business transactions.
Residents of the U.S. and all other countries, with the exception of the U.K. and Ireland and the Federal
Republic of Germany, should contact the (Chemical Abstracts Service Market Department, The Ohio State
University, Columbus, Ohio 43210 (Tel: 614-422-5022, Teletype: 810-482-1608) for all subscription information
remittances, changes of address and claims for missing issues.

Estimate of daily input of citations: Approx. 110 digests are processed per workday.

G.

RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Information Services 1970, current catalogue of available information services.
"Standard Distribution Format Technical Specifications".
"Search Guide for Polymer Science and Technology".
"Text Searching, IBM 1401 System".
"Text Searching, IBM 360 BPS".
"Text Searching, IBM OS/360".
"Preparation of Search Profiles".
All available from Chemical Abstracts Service, Columbus, Ohio 43210.

Compiled by OECD

| Name of system: | PLASTICS INDUSTRY NOTES |

| Official Abbreviation: | PIN |

Address:	Chemical Abstracts Service, The Ohio State University, Columbus, Ohio 43210
Telephone:	614-422-5022
Telex:	810-422-5022
Cable Address:	

Sponsor or controlling body: American Chemical Society

Approximate total staff: CA. 1000 full time and CA. 3000 volunteer abstractors

Approximate annual budget: $16.4 million (1969)

Date of first operation: 1967

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Management, marketing, and production activities in the polymer and plastics industries

Purpose of the System: Abstracts of information from 30 key trade journals and newspapers relating to the polymer and plastics industries.   It is designed for individuals in the management, marketing, and production areas of these industries

Kind of co-operation with other information systems: Not applicable

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Journals including abstract journals   Selected materir   Several languages
General printed matter   "   "   "   "

(ii) Digested information from other systems: Abstracts are brief excerpts taken directly from the 30 publications covered

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	X	M	
Title i.e. original title			
Abstract originated at source			
Abstract originated by system	X	M	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	
Keywords, descriptors, terms	X	M	
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Abstracts are classified into 11 sections.   Each section is denoted by a letter. The abstracts in any one section are numbered consecutively throughout a volume with the section letter and a number

D.   MECHANISATION BASIS

Media used for total record: Visible records, Computer magnetic tape, Other computer storage, inter-
                               changeable, e.g. discs
Media used for the search record: Visible records

Computer based: Printed via IBM 360 system utilising IBM Text 360 printing system

Configuration: IBM Model 360/50 (256K)   IBM 2314 Disk Facility (2)
                  "   "   "   (384K)   "   2401 II Tape Drives (2)
                  "   1403 N1 Printers (3)   "   2401 V Tape Drives (4)
                  "   2250 Cathode Ray Tube Display "   2420 V Tape Drives (12)
                  "   2280 Film Processor
Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:
                               Not applicable

Reprographic methods used to distribute the output of the system:

                Offset plates prepared from computer-driven chain printer output

E.   OUTPUT TO USER

Output options available: Printed form published weekly: 52 issues per volume

Machine-readable format in which output is available: Not available

F.   USAGE INFORMATION
                               Residents of the U.K. and Ireland should contact The Chemical Society, Publica-
Availability of the system: tions Sales Office, Blackhorse Road, Letchworth, Hertfordshire, England
(Tel: Letchworth 5817) for all subscription information and business transactions.
Residents of the Federal Republic of Germany should contact Verlag Chemie, 6940 Weinheim Postfach 129/149,
F.R.G. (Tel: Sammelnummer 06201 3635: Teletype: Chemie-verlag Weinheimbergstr. 465516) for all subscription
information and business transactions.
Residents of the U.S. and all other countries, with the exception of the U.K. and Ireland and the Federal
Republic of Germany, should contact the (Chemical Abstracts Service Marketing Dept., The Ohio State Univer-
sity, Columbus, Ohio 43210 (Tel: 614-422-5022, Teletype: 810-482-1608) for all subscription information,
remittances, changes of address and claims for missing issues.

Estimate of input of citations: Approx. 100 abstracts are processed per workday

G.   RECENT OR PLANNED DEVELOPMENTS

                                       REFERENCES

    - Information Services 1970, current catalogue available on information services

__Name of System:__   CRYSTALLOGRAPHIC DATA CENTRE

__Official Abbreviation:__

__Address:__   University Chemical Laboratory,
Lensfield Road,
Cambridge CB2 1EW, England.

__Telephone:__   Cambridge 56491

__Telex:__

__Cable Address:__

__Sponsor or controlling body:__   Office for Scientific and Technical Information

__Approximate total staff:__   6 scientific plus supporting part-time workers

__Approximate annual budget:__   £19,000

__Date of first operation:__   October 1965

A.   __AREA AND PURPOSE OF SYSTEM__

__Area covered:__   Crystallography of organic molecules

__Purpose of the System:__   To evaluate the results of crystallographic investigation of organic molecules
and to make these results more readily available both to specialists and
scientists in related fields

__Kind of co-operation with other information systems:__

    (a) Abstracting and acquisition of reprints via Centre de Documentation, CNRS, Paris.

    (b) Input of organic information to "Crystal Data" - projects carried out at the
National Bureau of Standards, Washington, D.C.

    (c) Input of references and numeric data to "Structure Reports" - published by the
International Union of Crystallography.

    (d) Collaboration in computer typesetting with the INSPEC project at the Institution
of Electrical Engineers, London.

B.   __INFORMATION INPUTS__

  (i)   __Sources__   __Coverage__   __Language__

Sources	Coverage	Language
Books including bibliographies	Partial	Several languages
Journals including abstract journals	Extensive	" "
Technical reports	Partial	" "

  (ii) Digested information from other systems:

C.   __RECORD CONTENT__

	A*	B*	C*
Authors	X		SA
Source	X		SA
Title i.e. original title			
Abstract originated at source			
Abstract originated by system	X		SA
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X		SA
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

__Classification basis used:__   Division into chemical classes based on chemical structure type.
Within classes ordering is by molecular formula and there is adequate
cross-referencing among classes

D.

MECHANISATION BASIS

Media used for total record: Visible records,   90-column cards,   Computer magnetic tapes,
                                                                                        Computer discs

Media used for the search record:

Computer based: IBM 360 system

Configuration: IBM 360/44 - Core: 256K bytes - 4 MT decks (2 7-channel, 2 9-channel) -
                  3 exchangeable disc drives - 2 graph plotters - 1 card reader/punch -
                  1 paper tape reader - 1 line printer (with alternative extended character
                  set print chain)

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:
                 129K core,   card reader,   2 MT decks,   1 line-printer

                 As for above but only 2 discs needed and no plotters or paper tape.
                 Other applications: General-purpose scientific computing
Reprographic methods used to distribute the output of the system: Line-printer paper (multi-part)
                                                        Multilith master
                                                        Computer typesetting via Photon 713

E.

OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:

F.

USAGE INFORMATION

Availability of the system: Individual requests by application to Dr. D.G. Watson or Mrs. O. Kennard

Charge basis to users:

Estimate of input of citations: Input of citations and numeric data is done on a batch basis -
                              about 150 papers from journals are processed every 6 weeks

Estimate of output of citations:

G.

RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Name of system: METALS ABSTRACTS AND METALS ABSTRACTS INDEX

Official Abbreviation: Met. A. and Met. A. Index

Address: The Institute of Metals,   and/or American Society for Metals,
        17 Belgrave Square, London S.W.I, England   Metals Park, Ohio,
                                                           44073 U.S.A.

Telephone: London: 01-235-3291 and/or U.S.: 216-338-5151

Telex:

Cab_e Address:

Sponsor or controlling body: The Metals Abstracts Trust composed of The Institute of Metals in England
                             and the American Society for Metals in U.S.A.

Approximate total staff: London: 10   U.S.A.: 7

Approximate annual budget: $400,000.

Date of first operation: { 1st January, 1968 - METALS ABSTRACTS is the result of a merger between Metallurgical
                          { Abstracts published since 1910 and Review of Metal Literature published since 1924

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Structure, physics, testing and control, analysis, benefit, application and uses
              etc. of metals.

Purpose of the System: To provide information retrieval tools in the form of published abstracts and
                       indexes and computer data bases.

Kind of co-operation with other information systems: Joint Publication with the ASM.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
     Books including bibliographies   Extensive   Several languages
     Journals including abstract journals   "   "   "
     Technical reports   Selected material   "   "
     General printed matter   "   "   "   "

(ii) Digested information from other systems: None

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source	X	M	X
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered	X	M	A
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      0 = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: 7 main sections and
                              33 sub-sections

D.

MECHANISATION BASIS

Media used for total record: Visible records, Computer magnetic tape, 80-column cards

Media used for the search record: Visible records, Computer magnetic tape

Computer based: Index file created in 1401 mode on IBM 360/30

Configuration: IBM 360/30; 4 tape drive; 1443 card reader; 1443 printer

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: IBM 360/20; 4 tape drives

Reprographic methods used to distribute the output of the system: Printed journals
Direct computer printout on pages or cards

E.

OUTPUT TO USER

Output options available: Published monthly abstracts and annual collation; more than 25,000 items, 1,700 pages.
Published monthly index and annual cumulation; the latter 1,600 pages.

Machine-readable format in which output is available: Yes, as noted in question D.

F.

USAGE INFORMATION

Availability of the system: Individuals may search published indexes and abstracts or send query to an independent information dissemination centre.

Charge basis to users:

Estimate of input of citations: 25,000 per year averages to about 100 per working day.

Estimate of output of citations: As above

G.

RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Compiled by OECD

| Name of system: | GAS CHROMATOGRAPHY ABSTRACTS SERVICE |

| Official Abbreviation: | |

| Address: | Preston Technical Abstracts Company, P.O. Box 792, Evanston, Illinois 60204, U.S.A. |

| Telephone: | (312) 475-4397 |

| Telex: | |

| Cable Address: | |

| Sponsor or controlling body: | |

Approximate total staff:	15
Approximate annual budget:	$ 100,000
Date of first operation:	1958

A. AREA AND PURPOSE OF SYSTEM

Area covered:

Purpose of the System:

To provide a basis for current awareness and retrieval of all literature written on the subject of gas chromatography.

Kind of co-operation with other information systems: We also have available with this service a Computer-based Retrieval System for searching the abstracts published.

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	" "
Technical reports	Partial	" "
General printed matter, manuscripts	Selected material	" "

(ii) Digested information from other systems:

C. RECORD CONTENT

	A*	B*	C*
Authors	X	O.	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system	X	O	A
U.D.C. or similar "universal" code			
Classification code common to area covered	X	O	A
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Four sections (namely: Apparatus, Theory and Review Articles, Application, Special Techniques)   61 subsections

D.   **MECHANISATION BASIS**

    Media used for total record: Visible records, computer magnetic tape

    Media used for the search record: 80-column cards, computer magnetic tape

    Computer based   Computer-based system available to supplement Abstract Service

    Configuration: Type 360 IBM/Model 30 DOS System with a 16,000 BYTE record size (Tape)

    Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

    Reprographic methods used to distribute the output of the system:

E.   **OUTPUT TO USER**

    Output options available:

    Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

    Availability of the system:

    Charge basis to users: Yearly subscription rate for monthly abstract publication - $240.00
                                     Cost of tape and programme for searching system - $800.00
                                     (Update fee approximately $125.00)

    Estimate of input of citations: Approximately 200 abstracts per month

    Estimate of output of citations:

G.   **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Compiled by OECD

Name of system: GAS CHROMATOGRAPHIC DATA COMMITTEE OF JAPAN

Official Abbreviation: GCDC

Address: c/o Government Chemical Industrial Research Institute of Tokyo

Telephone: 1-Chome, Hommachi, Shibuya-ku, Tokyo, Japan
03-377-5211 ext. 309
Telex:

Cable Address:

Sponsor or controlling body: The Japan Society for Analytical Chemistry

Approximate total staff: Committee Member 15, Office 2

Approximate annual budget: ¥ 2,000,000

Date of first operation: 1960

A. AREA AND PURPOSE OF SYSTEM

Area covered: Gas Chromatography

Purpose of the System:
Re-examining the present pattern of gas chromatographic works and publishing an authoritative standard collection of gas chromatographic data cards.
Kind of co-operation with other information systems:

B. INFORMATION INPUTS

(i) Sources	Coverage	Language
Journals including abstract journals	Selected material	English

(ii) **Digested information from other systems:**

C. RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X		
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification basis used:
Bibliography
Experimental conditions
temperature, column, stationary phase, support, carrier gas, flow rate, detector, instrument
Remarks
Special field
quantitative, application, technique, sample preparation, theory
Chromatogram or Retention data
All substances, organic or inorganic which appear in the chromatogram, graph or table are punched and the characteristics of their structures and functional groups are coded independently of one another. General classification of compounds
Isomer, inorganic gases, food flavours, petroleum, biological materials, coal products, air pollutants, fats, fatty acids, reaction products, essential oils, polymers and natural products.

D.   <u>MECHANISATION BASIS</u>

    <u>Media used for total record</u>:   ~unched cards, including edge-punched or coincidence cards

    <u>Media used for the search record</u>:   Punched cards, including edge-punched or coincidence cards

    Computer based

    <u>Configuration</u>:

    <u>Minimum configuration required to search the files for retrieval purposes or to replicate the system</u>
    <u>performance elsewhere</u>:

    <u>Reprographic methods used to distribute the output of the system</u>:

E.   <u>OUTPUT TO USER</u>

    <u>Output options available</u>:

    <u>Machine-readable format in which output is available</u>:

F.   <u>USAGE INFORMATION</u>

    <u>Availability of the system</u>:

    <u>Charge basis to users</u>:

    <u>Estimate of input of citations</u>:

    <u>Estimate of output of citations</u>:

G.   <u>RECENT OR PLANNED DEVELOPMENTS</u>

<u>REFERENCES</u>

    CODATA   "International Compendium of Numerical Data Projects"
             Springer-Verlag, Berlin, Heidelberg, New York, p. 202 (1969)

Compiled by OECD

Name of system: ISOTOPES INFORMATION CENTER

Official Abbreviation: ORNL - IIC

Address: P.O. Box X, Building 3047, Oak Ridge TN 37830

Telephone: 615-483-8611 - Ext.3-1742

Telex:

Cable Address:

Sponsor or controlling body: U.S. Atomic Energy Commission, Division of Isotopes Development

Approximate total staff: 12

Approximate annual budget: $270,000.

Date of first operation: 1962

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Isotope - Production and Applications, Accelerator Irradiations

Purpose of the System: To collect, evaluate and disseminate worldwide information primarily on production
   and use of radioisotopes in industry and research. The Center also maintains a current awareness of the
   uses of isotopes in biology, medicine, agriculture, education, forensics and military applications.

Kind of co-operation with other information systems: In such a way as to eliminate duplication of effort.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
    Books including bibliographies   Selected material   Several languages
    Journals including abstract journals   "   "   "   "
    Technical reports   "   "   "   "
    General printed matter   "   "   "   "
    Manuscripts   "   "   "   "

(ii) Digested information from other systems: - Nuclear Science Abstracts,
                                                - NSA Japan
                                                - Tulsa Abstracts

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X		A
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text	X	M	X

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     0 = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Based on thesaurus developed particularly for the IIC, with hierarchical
relationships. Includes use and user, and numerous categories under each.

D.   MECHANISATION BASIS

Media used for total record: Visible records,   Punched cards, including edge-punched or coincidence
                             cards, Computer magnetic tape
Media used for the search record: Visible records, Other computer storage, interchangeable, e.g. discs

Computer based:

Configuration: IBM 360/50

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system: Xerox;   reproduction from photomasters;
    reproduction by MTST;   commercial printing

E.   OUTPUT TO USER

Output options available: 60% bibliographies,   20% state-of-the-art reviews,   20% reprints of specific
                           articles published by IIC in Isotopes and radiation technology
                           Selective dissemination by user profiles just starting

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: By direct contact

Charge basis to users: None

Estimate of input of citations: 15 per day

Estimate of output of citations: 50 per day

G.   RECENT OR PLANNED DEVELOPMENTS

                                      REFERENCES

        "Isotopes and Radiation Technology":   3(3): 129-84 (1966)

                                                                    Compiled by OECD

Name of system:	CENTRAL ABSTRACTING AND INDEXING SERVICE OF THE AMERICAN PETROLEUM INSTITUTE

Official Abbreviation:

Address:	555 Madison Avenue, New York, N.Y. 10022

Telephone:	586 420C

Telex:

Cable Address:

Sponsor or controlling body:	American Pe roleum Institute

Approximate total staff:	45
Approximate annual budget:	$700,000
Date of first operation:	1954

A.

AREA AND PURPOSE OF SYSTEM

Area covered: Chemistry and engineering and other technology pertinent to the petroleum and petrochemical industries

Purpose of the System:
1. Early announcement of new technical information
2. Creation of printed indexes and magnetic tape file for information retrieval.

Kind of co-operation with other information systems: Republication of selected abstracts provided by other services.

B.

INFORMATION INPUTS

(i) Sources	Coverage	Language
Journals including abstract journals	Extensive	Several languages

(ii) Digested information from other systems:

C.

RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system	X		
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X		
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: Retrieval is based on a controlled vocabulary of keywords (descriptors) developed especially for the body of information that is covered. These keywords are available in a thesaurus, which also includes scope notes, cross references, and other indications of relationship between keywords and limitations on usage.

D.   **MECHANISATION BASIS**

Media used for total record: Visible records, computer magnetic tape

Media used for the search record: "   "   "   "   "

Computer based

Configuration: IBM 7094, 32K, 12 tape units, card reader.

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: IBM 1401, 12K, 3 tape units, printer, card reader

Reprographic methods used to distribute the output of the system:
                                   1. Photo offset printing of computer-printed pages
                                   2. Copies of computer tapes.

E.   **OUTPUT TO USER**

Output options available:

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system: The system is available only to organisations that have paid
                                  the appropriate subscription fees.

Charge basis to users:

Estimate of input of citations: 100 per day

Estimate of output of citations: No information available

G.   **RECENT OR PLANNED DEVELOPMENTS**

A Selective Dissemination of Information systems using the Chemical
Condensates tapes supplied by the Chemical Abstracts Service will
be initiated during the year.

REFERENCES

Name of System: CHEMICAL-BIOLOGICAL ACTIVITIES

Official Abbreviation: CBAC

Address: Chemical Abstracts Service
          The Ohio State University
          Columbus, Ohio 43210

Telephone: 614-422-5022

Telex: 810-482-1608

Cable Address:

Sponsor or controlling body: American Chemical Society

Approximate total staff: CA. 1,000 full time staff and CA. 3,000 volunteer abstractors

Approximate annual budget: $16.4 million (1969)

Date of first operation: 1965

A. AREA AND PURPOSE OF SYSTEM

Area covered: Biochemistry

Purpose of the System: Digests of current technical articles that report the interactions of organic compounds with biological systems as well as metabolism and in-vitro chemical studies.

Kind of co-operation with other information systems: Some input information received from Chemie Information und Dokumentation, Berlin, successor to Chemisches Zentralblatt,

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
Journals including abstract journals	Selected material	Several languages

(ii) Digested information from other systems: None

C. RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system	X	M	S
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:

The Digest Section contains the core information arranged alphabetically by journal title.   Digests are numbered consecutively from the first issue of each volume.

ASTM Coden are used to specify journal of origin plus a computer-calculated sixth character to assure Coden reliability in computer-based systems.   In the Keyword-In-Context Index these are combined with a group of digits representing the volume and a second group of digits representing the page number of the publication cited.

D.

MECHANISATION BASIS

Media used for total record: Visible records, Computer magnetic tape, Other computer storage, inter-changeable, e.g. discs.

Media used for the search record: Visible records, Computer magnetic tape.

Computer based Yes.

Configuration: IBM Model 360/ .256K)   IBM 2250 Cathode Ray Tube Display   IBM 2401 II Tape Drives (2)
IBM Model 360/ɔɔ (384K)   IBM 2280 Film Processor   IBM 2401 V Tape Drives (4)
IBM 1403 N1 Printers (3)   IBM 2314 Disk Facility (2)   IBM 2420 V Tape Drives (12)

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

IBM 1401 System
8K Characters of Storage
4, Magnetic Tape Units
1, IBM 1402 Card Reader and Punch
1, IBM 1403 or 1404 Printer
High-low-equal-compare
   (Special Feature)
Sense Switches
Advanced Programming
   (Special feature)

IBM 360 BPS
16 K Bytes of Core Storage
4, 2400 Series Tape Units,
   Models I, II, III
1, IBM 1052 Console
1, IBM 2540 Card Printer
   and Punch
1, IBM 1403 Printer

IBM 360 OS
44K Bytes of Core Storage
1, 2540 Card Reader
5, 2400 series 9-track tape drives
   (Up to 4 disk drives may replace
   up to 4 tape drives)
1, 1403 Printer
1, 1052 Console typewriter

Reprographic methods used to distribute the output of the system:

Offset plates prepared from computer-driven chain printer output.

Structural formulas are hand-drawn and stripped-in to spaces dedicated in computer-driven production.

E.

OUTPUT TO USER

Output options available: Printed form issued every other week in 2 volumes annually; 13 issues per volume.

Cumulative indexes issued with each volume.

Computer-readable form consists of 2 volumes annually; 13 issues per volume; each issue on one 2,400 ft. reel of magnetic tape.

Machine-readable format in which output is available:	1401 System	360 System
Coding is in EBCDIC (S/360) or BCDIC (1401);	7 track 556 bpi	7 track 556 bpi
56-Character subset of EBCDIC	7 track 800 bpi	7 track 800 bpi
		9 track 800 bpi

Computer-readable data files available on magnetic tape only.

F.

USAGE INFORMATION

Availability of the system: Residents of the U.K. and Ireland should contact The Chemical Society, Publica-tions Sales Office, Blackhorse Road, Letchworth, Hertfordshire, England (Tel: Letchworth 5817) for all subscription information and business transactions.

Residents of the Federal Republic of Germany should contact Verlag Chemie, 6940 Weinheim Postfach 129/149, F.R.G. (Tel: Sammelnummer 06201 3635: Teletype: Chemieverlag Weinheimbergstr. 465516) for all subscription information and business transactions.

Residents of the U.S. and all other countries, with the exception of the U.K. and Ireland and the F.R.G. should contact the (Chemical Abstracts Service Marketing Dept., The Ohio State University, Columbus, Ohio 43210 (Tel: 614-422-5022, Teletype: 810-482-1608) for all subscription information, remittances, changes of address and claims for missing issues.

Estimate of daily input of citations: Approx. 65 digests are processed per workday

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G.

RECENT OR PLANNED DEVELOPMENTS

None

REFERENCES

Information Services 1970, current catalogue of available information services.
"Standard Distribution Format Technical Specifications"
"Search Guide for Chemical-Biological Activities"
"Text Searching, IBM 1401 System"
"Text Searching, IBM 360 BPS"
"Text Searching, IBM OS/360"
"Preparation of Serch Profiles"
All available from Chemical Abstracts Service, Columbus, Ohio 43210

Name of system: SCIENCE INFORMATION FACILITY, U.S. FOOD AND DRUG ADMINISTRATION

Official Abbreviation: S.I.F.

Address: Food and Drug Administration, 200 C Street, S.W., Washington D.C. 20204

Telephone: 202-962-3883

Telex:

Cable Address:

Sponsor or controlling body: Dept. of Health, Education and Welfare, Food and Drug Administration

Approximate total staff: 65

Approximate annual budget: $1.2 million

Date of first operation: July 1967

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Chemistry of drugs, foods, pesticides, toxicology, pharmacology.

Purpose of the System: Storage and retrieval of scientific and technical information taken either from FDA files or from the published literature.

Kind of co-operation with other information systems: Co-operate with National Library of Medicine on Common Chemical Structure file. This file is built by Chemical Abstracts Services (CAS) and the CAS sub-structure search system is used.

B.   INFORMATION INPUTS

(i)   Sources

Sources	Coverage	Language
Books including bibliographies	Partial	Several languages
Journals including abstract journals	Extensive	" "
Technical reports	Selected material	National language only
General printed matter	" "	?

(ii) Digested information from other systems: Tapes from: Derwent Services (Ringdoc, Pestdoc, Verdoc)
                                             Chemical Abstracts Condensates
                                             Chemical Biological Activities (CBAC)

     Print-out from: MEDLARS, Toxicology Bibliography
     Card services: Drugs-in-use
                       Drugs-in-prospect
                       Drugs-in-research
  + normal Abstract Services (CA, BA, Excerpta Medica, etc.).

C.

The following describes Clinical Experience Abstracts, an abstract Journal produced by this Organisation   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	A
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system	X	M	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: The system described uses the drug name (generic name) as classification

D.   **MECHANISATION BASIS**

 Media used for total record: Visible records, Computer magnetic tape

 Media used for the search record: Visible records

 Computer based

 Configuration: IBM 360/50 512K core, 8/2401 tape drives;   3/2311 disk drives;   2/2314 disk drives;
                       2/1403 printers; 1/2540 card reader punch;   1/2501 card reader;   1/1050 console
                       typewriters.

 Minimum configuration required to search the files for retrieval purposes or to replicate the system
 performance elsewhere: CFS System - OS/360   120K core; 3 tape drives, 2/2311 disk drives;
                                           1/2314 disk drive, printer. **Retrieval purposes:** DOS/360 64K core;
                                           5 tape drives 4/2311 disk drives, 1/2321 data cell.
 Reprographic methods used to distribute the output of the system: XEROX -
                              A microfilm camera for computer print-out is available.

E.   **OUTPUT TO USER**

 Output options available:

 Machine-readable format in which output is available: None

F.   **USAGE INFORMATION**

 Availability of the system: The Combined File Search System can be obtained by writing to
                                  Dr. I.A. Warhert, IBM Business Machines, Montevry & Cottle Roads,
                                  San Jose, California 95114.
 Charge basis to users:

 Estimate of input of citations: N.A.

 Estimate of output of citations: N.A.

G.   **RECENT OR PLANNED DEVELOPMENTS**

                                      REFERENCES

Name of system:	ALBERTA INFORMATION RETRIEVAL ASSOCIATION
Official Abbreviation:	AIRA
Address:	Information Retrieval, Research Council of Alberta, 11315 - 89 Avenue, - Edmonton, Alberta, Canada.
Telephone:	(403) 433-6421
Telex:	037-2147
Cable Address:	AIRA

Sponsor or controlling body: Research Council, Alberta

Approximate total staff:	10
Approximate annual budget:	N.A.
Date of first operation:	1967

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Chemistry and allied fields

Purpose of the System: Current awareness and retrospective searches of Chemical Titles
                         Tapes and COMPENDEX tapes

Kind of co-operation with other information systems: Close co-operation with CAN/SDI -
                                                       National Science Library at Ottawa, Ontario

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
   Books, including bibliographies   Selected material   Several languages
   Journals, including abstract journals Extensive   "   "
   Technical reports   Selected material   "   "
   General printed matter   Selected material   "   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source	X	M	S
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered	X	M	S
Classification code peculiar to system	X	M	S
Key-ords, descriptors, terms	X	M	S
Full text	X	M	S

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: The abstract originated at the source is the free text
                             (full or running text)

D.   MECHANISATION BASIS

Media used for total record: 80-column cards for profiles input; discs as auxiliary storage;
                             cores as working area
Media used for the search record: Computer magnetic tape, discs

Computer based: IBM 360/Model 50

Configuration: Core 512 K. Card punch, printer, four 9-track tape drives, one direct
                             direct access device as temporary stage

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: IBM 360/model 30

Reprographic methods used to distribute the output of the system:

        This is an SDI (selective dissemination of information) system without any
        reprographic methods

E.   OUTPUT TO USER

Output options available: Output is on double cards. The left-hand side contains the information;
                           the right-hand side is for users' responces which contribute feedback to
                           the system

Machine-readable format in which output is available:
        Output is delivered in printed form. It might be supplied in machine-readable format
        e.g. punched cards.

F.   USAGE INFORMATION

Availability of the system: Individual requests are made directly with help from search editors.

Charge basis to users: At present the charge is $100.00 per 40 terms and $20 for ten additional terms

Estimate of input of citations:

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                                            REFERENCES

Name of system: INDEX CHEMICUS/INDEX CHEMICUS REGISTRY SYSTEM

Official Abbreviation: IC/ICRS

Address:	325 Chestnut Street, Philadelphia, Pennsylvania 19106, USA.
Telephone:	215/923 - 3300
Telex:	84-5305
Cable Address:	SCINFO

Sponsor or controlling body: Institute for Scientific Information (ISI)

Approximate total staff: 30

Approximate annual budget:

Date of first operation: IC : 1960
ICRS: 1968

A. **AREA AND PURPOSE OF SYSTEM**

Area covered: Chemical compounds

Purpose of the System: IC : Information on the synthesis, isolation and/or identification of new chemical compounds
ICRS: Computer searchable store of all chemical compounds in INDEX CHEMICUS along with bibliographic data
Kind of co-operation with other information systems:

B. **INFORMATION INPUTS**

(i)   Sources   Coverage   Language

Journals, including abstract journals   Extensive   Several languages

(ii) **Digested information from other systems:**

IBM programmes from WLN to connectivity tables, Ring Code and vice versa

C. **RECORD CONTENT**

	A*	B*	C*
Authors	X	O	S
Source	X	O	S
Title i.e. original title	X	O	S
Abstract originated at source	X	O	S
Abstract originated by system	X	O	A
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	S
Keywords, descriptors, terms			
Molecular formulae	X	O	S

* A: X = the item is present in the record
* B: M = the item is mandatory for output
　　　O = the item is optional for output
* C: S = the item is used for search
　　　A = the item is available for search

Classification basis used: ISI coding by Programming Services Inc.
ICRS tied to IC Abstract Number (Indexing of parent structures permits Markuch - Claim Searching). All IC backbog coded (850,000 compounds).

D.   MECHANISATION BASIS

    Media used for total record: Computer magnetic tape

    Media used for the search record: "   "   "

    Computer based: IBM 360/30

    Configuration:

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere:

    Reprographic methods used to distribute the output of the system:

            Index Chemicus: Printed and tape
            Index Chemicus Registry System: Computer printout and tape

E.   OUTPUT TO USER

    Output options available: Index Chemicus
                                   Index Chemicus Registry System
                                   Specific on-off search and continuing search

    Machine-readable format in which output is available:

. F.   USAGE INFORMATION

    Availability of the system: On request

    Charge basis to users: IC : $8 per issue
                                       ICRS: $7,500 year (charter members)

    Estimate of input of citations:

    Estimate of output of citations: IC   250 abstracts per week (2,900 compounds)
                                       ICRS: 150,000 compounds per year

G.   RECENT OR PLANNED DEVELOPMENTS

                                            REFERENCES

        For ISI coding, see: "Survey of Chemical Notation Systems", NAS 1150, 1964 (467 pp.)

Name of system: INTERNATIONAL PHARMACEUTICAL ABSTRACTS

Official Abbreviation: IPA

Address: 4630 Montgomery Avenue, Washington D.C. 20014, U.S.A.

Telephone: 657-3000

Telex:

Cable Address:

Sponsor or controlling body: American Society of Hospital Pharmacists

Approximate total staff: 5 Editorial Home Staff and 65 Contributing Editors

Approximate annual budget:

Date of first operation: January 1964

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Abstract articles relating to pharmacy and pharmaceuticals for pharmacy, medical and
                health journals from throughout the world.

Purpose of the System: To be "key to the world's literature of pharmacy" through abstracting and indexing.

Kind of co-operation with other information systems: Limited exchange of abstracts.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
     Books including bibliographies   Partial   Several languages
     Journals including abstract journals   Extensive   "   "
     Technical reports   Partial   "   "
     General printed matter   Partial   "   "

(ii) Digested information from other systems: Use limited abstracts from other services

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source	X	O	A
Abstract originated by system	X	M	S
U.D.C. or similar "universal" code			
Classification code common to area covered	X	O	A
Classification code peculiar to system	X	M	S
Keywords. descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Chemical substances are indexed under the basic chemical.
   Wherever possible, indexed headings are non-proprietary names adopted by United States Adopted Names
   (USAN).   When an abstract is indexed as to drug use, therapeutic or pharmacologic activity, the
   classification system of the American Hospital Formulary Service (AHFS) is used.
   25 subject headings or sections are used.

D.   MECHANISATION BASIS

Media used for total record: Visible records, Computer magnetic tape, Microfilm.

Media used for the search record: Visible records, Computer magnetic tape, Other computer storage,
                                  interchangeable, e.g. discs, Microfilm.
Computer based

Configuration: 360/40, 128K, 9 tape units, 5 disc units and a 1403 1100 line a minute printer

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: As above

Reprographic methods used to distribute the output of the system: Printing

E.   OUTPUT TO USER

Output options available: Printed text - all volumes since 1964
                          Microfilm - all volumes since 1964
                          Magnetic tape - (bank just started in 1970)
                          Print out - from search

Machine-readable format in which output is available: Magnetic tape

F.   USAGE INFORMATION

Availability of the system: Subscription basis

                      Subscription rate is $30.00 per year (24 issues) or $1.50 for single issues,
Charge basis to users: domestic and foreign - except $75.00 per year, or $3.50 for single issues, to
   industrial libraries and institutions.   Costs for computer services to be established in 1970.

Estimate of input of citations: 25 per day

Estimate of output of citations: 25 per day

G.   PLANNED DEVELOPMENTS

                Search and retrieval aspect more formalised.

                                     REFERENCES

V.

ENVIRONMENT, BUILDING AND TRANSPORT

ENVIRONNEMENT, CONSTRUCTION ET TRANSPORT

| Name of system: | AIR POLLUTION TECHNICAL INFORMATION CENTER |

| Official Abbreviation: | APTIC |

| Address: | 1033 Wade Avenue, Raleigh, North Carolina 27605 |

Telephone:	(919) 782-2470 Ext. 49
Telex:	
Cable Address:	

| Sponsor or controlling body: | U.S. Department of Health, Education & Welfare Public Health Service, Environmental Health Service, National Air Pollution Control Administration Office of Technical Information & Publications |

Approximate total staff:	13
Approximate annual budget:	$430.000 (FY 69)
Date of first operation:	mid 1966

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Air pollution, its chemical, physical and biological effects, its prevention and control, its atmospheric interactions, and its measurement.

Purpose of the System:
(1) Determines need for acquisition and storage of information
(2) Arranges for needed acquisition and storage and provides procedures for retrieval, reproduction and dissemination.
(3) Coordinates activities with other information organisations.

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Selected material	Other languages also
Journals including abstract journals	Extensive	" " "
Technical reports	"	" " "
General printed matter	Partial	" " "
Manuscripts	"	" " "

(ii) Digested information from other systems:

Not applicable

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	O	S
Title i.e. original title	X	O	S
Abstract originated at source	X	O	™
Abstract originated by system	X	O	™
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	S
Full text			

™ retrievable but not searchable

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:
                 N.A.

D.   **MECHANISATION BASIS**

    Media used for total record: Computer magnetic tape

    Media used for the search record: Punched cards, including edge-punched or coincidence cards

    Computer based   IBM-360, Combined file search system.   Computer is controlled
        by another organisation, detailled configuration unknown to APTIC
    Configuration:

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere:

    Reprographic methods used to distribute the output of the system:
               1.   Diazo microfiche duplicator (Atlantic)
               2.   Reader-printers for microfiche, 16mm cartridge film, and
                      35mm roll film (3M)
               3.   Xerostatic copier (Xerox 3600) – shared.

E.   **OUTPUT TO USER**

    Output options available: A computer printout of relevant abstracts is provided in response
        to search requests.   The full text of abstracted articles is also
        provided upon request to National Air Pollution Control Administration
        personnel only through a photocopy or microfiche.

    Machine-readable format in which output is available: N.A.

F.   **USAGE INFORMATION**

    Availability of the system: Available to individuals, request made by telephone or letter.

    Charge basis to users: All services free of charge

    Estimate of input of citations: 45 per day

    Estimate of output of citations: 150 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Name of system: INSTITUTET FOR BYGGDOKUMENTATION

Official Abbreviation: Byggdok

Address: Kungsgatan 32, II, III 35 Stockholm, Sweden

Telephone: Stockholm 23 64 90

Telex: 10010

Cable Address:

Sponsor or controlling body: Swedish Council for Building Research

Approximate total staff: 12

Approximate annual budget: Sw.Crs. 900,000

Date of first operation: 1966

A.   AREA AND PURPOSE OF SYSTEM

Area covered: housing, building, planning, civil engineering and related fields

Purpose of the System: Provide information to research-workers and practitioners within the above fields of technology

Kind of co-operation with other information systems: CIB-exchange, "för Bygg" Scandinavian Building Abstracts

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Selected material	Several languages
Journals including abstract journals	"	"
Technical reports	"	"
General printed matter	"	"
Manuscripts	"	"

(ii) Digested information from other systems:

Abstracts from foreign services in related fields

C.   RECORD CONTENT

	A*	B*	C*	
Authors	X	M		(Only Swedish list)
Source	X	M		
Title i.e. original title	X	M		
Abstract originated at source				
Abstract originated by system	X	M		
U.D.C. or similar "universal" code	X	M	S	
Classification code common to area covered				
Classification code peculiar to system				
Keywords, descriptors, terms	X	O		
Full text				

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:

UDC

D. **MECHANISATION BASIS**

Media used for total record: Visible Records

Media used for the search record: Visible Records

Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

E. **OUTPUT TO USER**

Output options available: CIB exchange "för Bygg" Scandinavian Building Abstracts (Co-editors)

Machine-readable format in which output is available:

F. **USAGE INFORMATION**

Availability of the system: Own documentation service
Individual request in natural language by telephone, telex or letter

Charge basis to users: Sw.Crs. 60:- per working hour

Estimate of input of citations: 100 per day

Estimate of output of citations: 100 per day

G. **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Name of system: GYORSINDEX (RAPID-INDEX)

Official Abbreviation:

Address: Reviczky u. 6. Budapest VIII, Hungary

Telephone: Budapest 336-309

Telex: CENTECHLIBDOC BP 903

Cable Address:

Sponsor or controlling body: TECHNOIMFORM (Hungarian Central Technical Library and Documentation Centre), Reviczky u. 6. Budapest VIII.

Approximate total staff:

Approximate annual budget:

Date of first operation: 1. 1. 1969

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Building construction - Corrosion.
From 1970 in other areas too

Purpose of the System: To prepare and to edit periodical KWIC indexes for manual information searches, in the specific areas mentioned above. The source material are journals, patents, technical reports, etc.

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Journals including bibliographies   Selected material   Several languages
Technical reports
General printed matter

(ii) Digested information from other systems: .

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	X	M	
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text	X	M	S

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    0 = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used:

D.   <u>MECHANISATION BASIS</u>

<u>Media used for total record:</u>   Visible records

<u>Media used for the search record:</u>   Visible records

<u>Computer based :</u>

<u>Configuration:</u>   MINSK 22 with magnet tape units.   Automatic typewriting machines working with punched paper tapes, as in- and out devices.

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:</u>

<u>Reprographic methods used to distribute the output of the system:</u>   Xerographic master and offset print

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E.   <u>OUTPUT TO USER</u>

<u>Output options available:</u>

<u>Machine-readable format in which output is available:</u>

F.   <u>USAGE INFORMATION</u>

<u>Availability of the system:</u>   Available to individuals by annual subscription

<u>Charge basis to users:</u>

<u>Estimate of input of citations:</u>

<u>Estimate of output of citations:</u>

G.   <u>RECENT OR PLANNED DEVELOPMENTS</u>

<u>REFERENCES</u>

Compiled by ECE

Name of System: DOCUMENTATION SUISSE DU BATIMENT

Official Abbreviation: S f B

Address: 4249 Blauen

Telephone: 061/895.922

Telex: 62 681

Cable Address: DOCU CH

Sponsor or controlling body: FAS Fédération des Architects Suisses
                                SA pour le documentation et l'information de la construction

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Approximate total staff: 80

Approximate annual budget: -

Date of first operation: 1930; re-adapted 1968

A. **AREA AND PURPOSE OF SYSTEM**

Area covered: Construction, Civil Engineering, Public Works

Purpose of the System: Technological Information

Kind of co-operation with other information systems: Exchange with similar foreign organisations

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B. **INFORMATION INPUTS**

(i) | Sources | Coverage | Language |
|---|---|---|
| Books including bibliographies | Partial | Several |
| Journals including abstract journals | Partial | Several |
| Technical reports | Partial | Several |
| Printed matter | Partial | Several |

(ii) Digested information from other systems:

C. **RECORD CONTENT**

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code	X	O	S
Classification code common to area covered	X	O	S
Classification code peculiar to system	X	O	S
Keywords, descriptors, terms			
Full text	X	O	S

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:

D.   MECHANISATION BASIS

Media used for total record: Visible records, cards, discs

Media used for the search record: Visibls records, cards, discs

Computer based   IBM system 3 (under development)

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system: IBM printer

===

E.   OUTPUT TO USER

Output options available: IBM printing

Machine-readable format in which output is available: IBM System 3   printer

===

F.   USAGE INFORMATION

Availability of the system:

Charge basis to users: The Service is included in the subscription rate.

Estimate of input of oitations: 100 per day

Estimate of output of citations: 50 per day

===

G.   RECENT OR PLANNED DEVELOPMENTS

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REFERENCES

V-5	USA
ROAD RESEARCH	

Name of system:	HIGHWAY RESEARCH INFORMATION SERVICE

Official Abbreviation:	HRIS

Address:	2101 Constitution Avenue, Washington D.C.
Telephone:	202 961 1782
Telex:	MBN
Cable Address:	

Sponsor or controlling body:	The Highway Research Information Service is part of the Highway Research Board, a unit of the National Academy of Sciences. The Highway Research Board is largely supported by the highway departments of the 50 states and the Bureau of Public Roads of the Federal Highway Administration, Department of Transportation.
Approximate total staff:	20
Approximate annual budget:	$400,000.00
Date of first operation:	July 1st, 1967

A. **AREA AND PURPOSE OF SYSTEM**

Area covered: Highway and urban transportation systems research information and information on other modes of transportation where they interface with highways and roads. HRIS information levels include technical operations, engineering practice, testing & demonstration, & applied research

Purpose of the System: To provide useful reference information to researchers, engineers, economists, planners, legal council and administrators in the transportation field, particularly in the highway research field.

Kind of co-operation with other information systems: Informal and voluntary exchange of full size paper sheets containing summary statements about on-going research projects and informative abstracts of journal articles, technical papers, research reports and bibliographies.

B. **INFORMATION INPUTS**

(1)

Sources	Coverage	Language
Books including bibliographies	Selected material	National language only
Journals including abstract journals	" "	" " "
Technical reports	" "	" " "
General printed matter	Partial	" " "
Manuscripts	Selected material	" " "
Summary statements (objective, method, scope) of on-going research projects		

(ii) **Digested information from other systems:** Summary statements of on-going research projects and/or abstracts of published works from International Road Research Documentation, Safety Research Information Service of the U.S. National Safety Council, the Science Information Exchange of the U.S. Smithsonian Institution.

C. **RECORD CONTENT**

	A*	B*	C*
Authors	X	O	SA
Source	X	O	SA
Title i.e. original title	X	O	
Abstract originated at source	X	O	
Abstract originated by system	X	O	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	SA
Keywords, descriptors, terms	X	O	SA
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D. **MECHANISATION BASIS**

Media used for total record: Visible records, 80-column cards, computer magnetic tape

Media used for the search record: Visible records, 80-column cards, computer magnetic tape

Computer based

Configuration: IBM system 360 model 30 with 32k core storage, 4 tape drives (IBM 2415 model V dual density, 9 track), 1 disc drive (IBM 2311), 1 IBM 1442 card read-punch, 1 IBM 1403 printer (52 character set, 132 print positions), and 1 IBM 1052 I/O typewriter.

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: Same as above

Reprographic methods used to distribute the output of the system:
1. Computer magnetic tape to computer magnetic tape copy
2. Computer printout carbon copy up to 4 copies
3. Full size photocopy (dry process) of computer printout
4. Photographic reduction, offset plate burned copy printed by offset press and pages bound to form publication.

E. **OUTPUT TO USER**

Output options available: File-searches, Current awareness printouts

HRIS Publications: - HRIS abstracts
                - Highway Research in Progress (HRIP)

Machine-readable format in which output is available: Output from above items available on 9 track computer magnetic tape at 1600 BPI.

F. **USAGE INFORMATION**

Availability of the system: Access to the system can be obtained by communication with IRRD, technical libraries in the U.S.A. or direct communication with HRIS staff

Charge basis to users:

Estimate of input of citations: 40 per day

Estimate of output of citations: 800 per day

G. **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Name of system: RRL TECHNICAL INFORMATION SERVICE

Official Abbreviation:

Address: Road Research Laboratory, Crowthorne, Berkshire RG11 6AU, England.

Telephone: Crowthorne 3131

Telex: 84272

Cable Address:

Sponsor or controlling body: Ministry of Transport

Approximate total staff: 20 (in information service)

Approximate annual budget:

Date of first operation: 1967

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Road research (materials, construction, traffic, safety)

Purpose of the System: To provide informative abstracts of published articles, books, patents, specifications, etc. and summaries of on-going research in the field of roads and road transport to research workers and practitioners against specific enquiries and for a broad-based current awareness service.

Kind of co-operation with other information systems: Input obtained from International Road Research Documentation Scheme (OECD) and exchange with U.S. Highway Research Information Service.

B.   INFORMATION INPUTS

(i)   **Sources**   **Coverage**   **Language**

Books including bibliographies   Extensive   Several languages
Journals including abstract journals   "   "   "
Technical reports   "   "   "

(ii) **Digested information from other systems:**   None

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	
Source	X	O	
Title i.e. original title	X	O	
Abstract originated at source	X)	O)	)either/or
Abstract originated by system	X)	O)	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	S
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Accessions (records) are broken down into a number of data elements, but all classification and subsequent retrieval is on a keyword basis, the keywords being chosen from a thesaurus of approx. 2,000 index terms covering the subject field.   In addition, one or more subject heading terms may be attached to each record, their use being permanently in the SDI context.   Subsequent retrieval is by a logical statement connecting a series of keywords together.
   Subject field broken down into approx. 40 subject headings to provide broad-based current awareness service

D. **MECHANISATION BASIS**

<u>Media used for total record</u>: 80-column cards, Computer magnetic tape, Other computer storage, inter-
changeable, e.g. discs, Other computer storage, system-bound, e.g. core
<u>Media used for the search record</u>: 80-column cards, Computer magnetic tape, Other computer storage, inter-
changeable, e.g. discs, Other computer storage, system-bound, e.g. core
<u>Computer based</u>:   Run on ICL 4/70

<u>Configuration</u>: ICL 4/70 - 256KB store, 6 9-track (800 bpi) tape units, 4 (soon to be increased to 6) disc
drives, 3 paper tape readers, 2 card readers, 2 line printers, NPL interface, CALCOMP graph plotter.

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere</u>:   Retrieval package written as 3 programmes requiring:

PROGRAM	STORE(KB)	PERIPHERALS	
I	32	LP = 1	LP = Line printer
II	48	M9 = 2	M9 = 9 track magnetic tape unit
III	60	D = 1, M9 = 1	D = Replaceable disc

<u>Reprographic methods used to distribute the output of the system</u>: Output is on standard 11" compter
line-printer paper but lined to A4 format.   Output sheets are out to A4 size and distributed in this
form.

E. **OUTPUT TO USER**

<u>Output options available</u>: Variety of output options, the 3 main ones are:
  (i) Record number only - 6 bytes per record
  (ii) Record number plus full bibliographic details (average 80 bytes; max. 262 bytes)
  (iii) Record number plus bibliographic details plus abstract (average 1,300 bytes;
  maximum 4,000 bytes)

<u>Machine-readable format in which output is available</u>: Magnetic tape exchange being currently worked out with
Highway Research Information Service.   Exchange of information in IRRD via standard communication format
tapes being studied.

F. **USAGE INFORMATION**

<u>Availability of the system</u>:   By personal requests, letter, telephone, telex

<u>Charge basis to users</u>:   At present no charge

<u>Estimate of input of citations</u>:   30 per day

<u>Estimate of output of citations</u>: 100 per day

G. **RECENT OR PLANNED DEVELOPMENTS**

Current awareness service to be made generally available at cost.
Exchange of information with co-operating bodies in machine-readable form.
Possible extension of subject field.

REFERENCES

VI.

LIFE SCIENCES, EARTH SCIENCES

SCIENCES NATURELLES, SCIENCES DE LA TERRE

Name of system:	BIOSCIENCES INFORMATION SERVICE OF BIOLOGICAL ABSTRACTS

Official Abbreviation:	BIOSIS

Address:	2100 Arch Street, Philadelphia, Pa. 19081, U.S.A.

Telephone:	LO 9-1100
Telex:	
Cable Address:	

Sponsor or controlling body:	BIOSIS Board of Trustees

Approximate total staff:	185 (160 full time + 25 part time)
Approximate annual budget:	
Date of first operation:	1927

A.   AREA AND PURPOSE OF SYSTEM

Area covered: All life sciences research literature, including general botany and zoology, biomedicine and agriculture.

Purpose of the System: To provide world-wide coverage of life sciences literature for abstract and index publications, and to build a broad based data bank to serve bio-scientists internationally.

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
   Books including bibliographies   Selected materials   Several languages
   Journals including abstract journals Extensive   "   "
   Technical reports   "   "   "
   General printed matter   Partial   "   "
   Manuscripts   "   "   "

(ii) Digested information from other systems: Selected abstracts from Referativnyi Zhurnal Biologiya, and Dissertation Abstracts

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S/A
Source	X	M	S/A
Title i.e. original title	X	M	S/A
Abstract originated at source	-	-	-
Abstract originated by system	-	-	-
U.D.C. or similar "universal" code	-	-	-
Classification code common to area covered	X	O	S/A
Classification code peculiar to system	X	O	S/A
Keywords, descriptors, terms	-	-	-
Full text	-	-	-

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Classification system used in BIOSIS' own system consisting of 93 major subject headings and 494 sub-headings for a total of 587 assignable subject heading.   Also, subject matter is coded according to taxonomic categories of organisms studied.   There are 697 taxonomic categories in "Biosystematic Index".

D.   **MECHANISATION BASIS**

__Media used for total record:__   Visible records, Computer magnetic tape, Other computer storage,
                                        interchangeable, e.g. discs
__Media used for the search record:__   As above

Computer based   N.A.

Configuration: 360/40 131 K disk and tape drives

__Minimum configuration required to search the files for retrieval purposes or to replicate the system__
__performance elsewhere:__   360/40 131 K disk and tape drives

__Reprographic methods used to distribute the output of the system:__   Microfilm
                                        Camera ready copy prepared from line printer listings.

E.   OUTPUT TO USER

Output options available:

Machine-readable format in which output is available: BA Previews

F.   USAGE INFORMATION

__Availability of the system:__   System is available from BIOSIS directly.

__Charge basis to users:__   BA Previews - $3,800 (plus royalty charge if applicable)

Estimate of input of citations: 1,000 per day

Estimate of output of citations: N.A. per day

G.   RECENT OR PLANNED DEVELOPMENTS
                                        Abstracts of Entomology

                                            REFERENCES

(1) Parkins, P.V. Science 152(3724), 889-894,1966
(2) Schultz, L. Library Trends 16(3), 337-352, 1968.

VI-2	UK
BIOLOGY	

Name of system: BIOLOGICAL RECORDS CENTRE

Official Abbreviation: B.R.C.

Address: Monks Wood Experimental Station,
Abbots Ripton, Huntingdon, U.K.

Telephone: Abbots Rapton 381

Telex:

Cable Address:

Sponsor or controlling body: Nature Conservancy

Approximate total staff: 10

Approximate annual budget: £20,000.

Date of first operation: 1st April, 1964

A.   AREA AND PURPOSE OF SYSTEM

Area covered: (1) Data on the distribution of plants and animals in the British Isles: terrestrial,
freshwater and the littoral. (2) Ecological site information for Nature Reserves and sites of equivalent
status in the British Isles.

Purpose of the System: (1) To provide Atlases showing distribution of plants and animals as a basis
for biogeographical research.
(2) To provide a service to research workers who require exact information on
the location of material necessary for study.
(3) To discover on a British and European basis which species are now declining
and to alert conservation organisations of the threats.

Kind of co-operation with other information systems:
(1) Technological co-ordination with museum data bank developments in Geology Dept., Cambridge University,
~~England: British Museum (Natural History) and the Smithsonian Institution, Washington D.C.~~

(2) Increasing co-operation with colleagues in all countries of Europe to co-ordinate collection of
data on plants and animals using common system.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
Books including bibliographies   Selected material   National language only
Journals including abstract journals   "   "   "   "   "
Technical reports   Partial   "   "   "
General printed matter   "   "   "   "
Manuscripts   Selected material   "   "   "

(ii) **Digested information from other systems:**   Nil

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source			
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
        Q = the item is optional for output
* C: S = the item is used for search
        A = the item is available for search

Classification basis used: A complete record exists of: 1. Species code   2. Date   3. Locality name
4. Grid references   5. County number   6. Kind of source (Literature, Museum, Field)
7. Status (Native: Introduced - adult, juvenile)   8. Habitat code   9. Altitude

D.   **MECHANISATION BASIS**

Media used for total record: Visible records,   80-column cards   40-column cards (in use for 15 years)

Media used for the search record: Visible records,   80-column cards and 40-column cards
Computer magnetic tape by end of 1970
Computer based

Configuration: N.A.

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: One IBM 870 system

Reprographic methods used to distribute the output of the system: Tabulated maps,   Tabulations of data
     Published atlases,   Xeroxed original documents

E.   **OUTPUT TO USER**

Output options available: 1.   Distribution maps of British Isles or part thereof
                  2. Print out of all or part of data affecting a particular species
                  3. Print out of all or part of data for a particular area of the British Isles
                    defined by grid squares or county boundaries

Machine-readable format in which output is available: Teleprinter from computer
     Electronic typewriter from punched cards or paper tape

F.   **USAGE INFORMATION**

Availability of the system: By telephone, personal communication or letter

                         No charge is made to bona-fide scientists
Charge basis to users: Charges are made to commerce for special maps, and royalties are charged for
                         publishing in books or magazines printed for profit.

Estimate of input of citations: 300-400 records

Estimate of output of citations: 1 new or revised map/day
                            200 records listed/day

G.   **RECENT OR PLANNED DEVELOPMENTS**

                  1. Installation of terminal on-line to Atlas Computer of Department of Trade & Industry
in Cambridge.   2. Introduction of new, faster and more flexible map making machinery based on an
IBM 870 system.

REFERENCES

Name of Institution: ROYAL BOTANIC GARDENS

Official Abbreviation:

Address: Kew, Richmond, Surrey, U.K.

Telephone: 01-940-1171

Telex: Kewgar, Richmond, Surrey

Cable Address:

Sponsor or controlling body: Ministry of Agriculture, Fisheries,& Food

Approximate total staff:

Approximate annual budget:

Date of first operation:

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Taxonomic Botany

Purpose of the System: Indexes to flowering plant names - Index Kewensis
                             "   "   fern and fern-ally names - Index Filicum
                             "   "   illustrations of plants - Index Londinensis

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
    Books including bibliographies   Selected material   Several languages
    Journals including abstract journals   "   "   "   "
    Technical reports   Partial   "   "
    General printed matter   "   "   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      0 = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D.   MECHANISATION BASIS

    Media used for total record: Visible records (8 x 5 cards)

    Media used for the search record: do.

    Computer based

    Configuration:

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere:

    Reprographic methods used to distribute the output of the system:

E.   OUTPUT TO USER

    Output options available: Published volumes and quinquennial supplements
                                to Index Kewensis

    Machine-readable format in which output is available:

F.   USAGE INFORMATION

    Availability of the system: Published and for sale to general public

    Charge basis to users:

    Estimate of input of citations:

    Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                                                REFERENCES

VI-4	UK
BOTANY	

Name of system:	COMMONWEALTH BUREAU OF PLANT BREEDING AND GENETICS

Official Abbreviation:

Address:	Department of Agricultural Sciences and Applied Biology Cambridge
Telephone:	Cambridge 58381
Telex:	
Cable Address:	

Sponsor or controlling body:	Commonwealth Agricultural Bureaux

Approximate total staff:	17
Approximate annual budget:	£49,000
Date of first operation:	1929

A.   AREA AND PURPOSE OF SYSTEM

Area covered:	Plant breeding and genetics
Purpose of the System:	Publication of abstracts Retrospective retrieval

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	" "
Technical reports	"	" "

(ii) **Digested information from other systems:**

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system	X	M	S
U.D.C. or similar "universal" code	X	M	S
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D.   MECHANISATION BASIS

Media used for total record: Punched cards (65 column)

Media used for the search record: "   "   "
                                    Visible records

Computer based
Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   OUTPUT TO USER

Output options available: Abstract journals ca. 8000 abstracts/year
                                    Retrospective retrieval bibliographies

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: General access from research workers

Charge basis to users: Abstract journal   £15 15s 0d outside Commonwealth
                                                        £8 10s 0d inside Commonwealth
                                    Retrospective retrieval free to research workers in Commonwealth, at
Estimate of input of citations: 25 per day   cost elsewhere.

Estimate of output of citations: 25 per day

G.   RECENT OR PLANNED DEVELOPMENTS

                         Future development aligned to CAB computerisation.

                                    REFERENCES

Name of system:	REVIEW OF APPLIED ENTOMOLOGY SERIES A AND B

Official Abbreviation:	Rev. appl. Ent.

Address:	56 Queen's Gate, London S.W.7, England.

Telephone:	01-584-0067

Telex:

Cable Address:

Sponsor or controlling body:	Commonwealth Agricultural Bureaux

Approximate total staff:	15
Approximate annual budget:	£47,200
Date of first operation:	1913

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Insect, tick and mite pests of agricultural, medical and veterinary importance

Purpose of the System: To provide reviews of literature published within the area covered

Kind of co-operation with other information systems: Published in conjunction with other Commonwealth
     Agricultural Bureaux publications

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
     Books including bibliographies   Extensive   Several languages
     Journals including abstract journals   "   "   "
     Technical reports   "   "   "

(ii) **Digested information from other systems:** Other abstracting journals (e.g. those published by
          other CAB Institutes and Bureaux) used to very limited extent

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	SA
Source	X	M	SA
Title i.e. original title	X	M	
Abstract originated at source	X	O	SA
Abstract originated by system	X	O	SA
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Journal containing abstracts published monthly in two parts:
                    Series A : Agricultural
                    Series B : Medical and Veterinary

D.   **MECHANISATION BASIS**

Media used for total record: Visible records

Media used for the search record: Visible records

Computer based: Not at present computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system: Publication

E.   **OUTPUT TO USER**

Output options available: Requests for information on specific subjects answered personally, information being obtained by personal search

Subject and author indexes published annually; Author indexes monthly

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system:

Charge basis to users: No charge for information supplied in answer to original request; charge made if same information supplied to other users.

Estimate of input of citations: 16 per day

Estimate of output of citations: 16 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

Computerisation

REFERENCES

Name of system: ZOOLOGICAL RECORD

Official Abbreviation: Zool. Rec.

Address: The Zoological Society of London, Regent's Park, London N.W.1, U.K.

Telephone: 01-722-333)

Telex:

Cable Address:

Sponsor or controlling body: The Zoological Society of London

Approximate total staff: 25

Approximate annual budget: £50,000.

Date of first operation: 1864

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Zoology in all branches with the exception of purely economic or veterinary work

Purpose of the System: To acquaint zoologists with the progress of every branch of their science in all parts of the globe.

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   **Sources**   **Coverage**   **Language**
Books including bibliographies   Selected material   Several languages
Journals including abstract journals   Extensive   "   "
Technical reports   Selected material   "   "

(ii) **Digested information from other systems:**

C.   RECORD CONTENT

	A*	B*	C*	(1)
Authors	X	M	A	
Source	X	M	A	
Title i.e. original title	X	M	A	
Abstract originated at source				
Abstract originated by system	X	M	A	
U.D.C. or similar "universal" code				
Classification code common to area covered	X	M		
Classification code peculiar to system	X	M		
Keywords, descriptors, terms				
Full text				

* A: X = the item is present in the record   (1) The Zoological Record is produced as printed copy -
* B: M = the item is mandatory for output   not on tape or cards - therefore any search must
         O = the item is optional for output   be made visually.
* C: S = the item is used for search
         A = the item is available for search

Classification basis used: 1. Author Index - papers listed alphabetically under name of author
                                        2. Subject Index - short abstracts contained in relevant headings and sub-headings
                                        3. Systematic Index - entries listed under generic name of animal and grouped into
                                            orders, sub-orders, families, etc.

D.   **MECHANISATION BASIS**

Media used for total record: Visible records

Media used for the search record: Visible records

Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system: Printed copies from conventional hot-metal typesetting process

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E.   **OUTPUT TO USER**

Output options available: Printed copies
                                Author index, Subject index,   Systematic index

Machine-readable format in which output is available: None for the moment

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F.   **USAGE INFORMATION**

Availability of the system: One volume published annually consisting of 20 sections each dealing with a particular group.   Sections may be purchased separately as they are printed.

Charge basis to users: Sold on request,   Price varies according to volume..

Estimate of input of citations:)
)   Approx. 35,000 papers and books are indexed each year
Estimate of output of citations:)

G.   **RECENT OR PLANNED DEVELOPMENTS**
                     Some scheme of computer mechanisation will be started in
                     1971 and may be operational by   1973-74.
                     This may provide additional services.

                                  REFERENCES

Compiled by OECD

Name of the System : BIBLIOGRAPHIC REVIEW IN GEOLOGY

Official Abbreviation: GEO INDEX

Address: Geofond, Praha 1, Malostranské nám.19, Czechoslovakia

Telephone: 53 36 42

Telex:

Cable Address:

Sponsor or controlling body: Czech office for geology, financially suported by state, during development by Federal office for technical development

Approximate total staff: About 6

Approximate annual budget: 250.000 Kcs

Date of first operation: June 1968

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Geology

Purpose of the System: Up to date bibliographical informations about published and unpublished STI in geology

Kind of co-operation with other information systems: Subject integration in input with other geological institutions, in lesser degree with university libraries and natural science faculties

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Books including bibliographies   Selective   Several languages
Journals including abstrac journals   "   "
Technical reports   Partial   "
General printed matter
Manuscripts   Selective   "
(ii) Digested information from other systems:
Bibliography BRGM   Selective   "

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	S
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Classification schemes subclassed by subject, and information type, regional geological works classified by map sheets 1:50.000

D.   **MECHANISATION BASIS**

    Media used for total record: Computer magnetic tape

    Media used for the search record: Visible records

    Computer based   IBM 1410

    Configuration: 40.000 inner memory, 1 punch card unit IBM 1402,8 magnetic tape units 729,5 disc units
                         IBM 1311/not used in this application/, 1 printer IBM 1403

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere: GIPSY is not used for retrieval

    Reprographic methods used to distribute the output of the system: XEROX

E.   **OUTPUT TO USER**

    Output options available:

    Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

    Availability of the system: Magnetic tapes

    Charge basis to users:

    Estimate of input of citations: about 400 monthly

    Estimate of output of citations:

G.   **RECENT OR PLANNED DEVELOPMENTS**

                retrieval system

                          REFERENCES

                                                      Compiled by ECE

Name of system: MINERALOGICAL ABSTRACTS

Official Abbreviation: Min. Abstr.

Address: C/o Mineralogical Society, 41 Queensgate, London S.W.7, U.K.

Telephone: 01-584-7516

Telex:

Cable Address:

Sponsor or controlling body:)Mineralogical Society of Great Britain
)Mineralogical Society of America

Approximate total staff: 2 (+ 8 part time)

Approximate annual budget: £8,000.

Date of first operation: 1920

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Mineralogy, Crystallography, Geochemistry, Petrology and related fields e.g. meteorites

Purpose of the System: To provide an information service in depth and to give full factual abstracts
including numerical data.   Largely voluntary organisation working at cost to provide copies of the
journal to individuals at prices they can afford.

Kind of co-operation with other information systems: Some exchange of raw abstracts with Chemical Abstracts,
Gemmological Abstracts, Analytical Abstracts

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Selected material	National language and other languages
Journals	Extensive	" " " " "
Technical reports	None	
General printed matter	Partial	National language only

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	
Title i.e. original title	X	M	A
Abstract originated at source			
Abstract originated by system	X		
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X		
Keywords, descriptors, terms			
Full Abstract	X	O	

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: 16 Sections: Age determination - Apparatus and techniques - Books -
Clay minerals - Crystal structures - Economic minerals and ore deposits - Experimental mineralogy -
Gemstones - Geochemistry - Meteorites and tektites.

Topographic mineralogy various: Mineral data - New minerals - Petrology - Physical properties of
rocks and minerals

D. <u>MECHANISATION BASIS</u>

<u>Media used for total record</u>: Visible records.

<u>Media used for the search record</u>: Visible records.

<u>Computer based</u>:

<u>Configuration</u>:

<u>Minimum configuration required to search the files for retrieval purpoees or to replicate the system performance elsewhere</u>:

<u>Reprographic methods used to distribute the output of the system</u>:   Offset printing 5 issues/year

E. <u>OUTPUT TO USER</u>

<u>Output options available</u>:   Abstracts — 4 issues/year
Author & subject index 1 issue/year

<u>Machine-readable format in which output is available</u>:

F. <u>USAGE INFORMATION</u>

<u>Availability of the system</u>:   By subscription

<u>Charge basis to users</u>:   U.S. $18. or £7. /year for subscribers (cheaper to members)

<u>Estimate of input of citations</u>:   10 per day

<u>Estimate of output of citations</u>:   10 per day

G. <u>RECENT OR PLANNED DEVELOPMENTS</u>

<u>REFERENCES</u>

Compiled by OECD

Name of System: DOCUMENTATIO GEOGRAPHICA

Official Abbreviation: DC

Address: Institut für Landeskunde, D-53 Bonn - Bad Godesberg, P.O.B. 130 (Germany)

Telephone: 02229/6 68 61

Telex: _

Cable Address: _

Sponsor or controlling body: Bundesministerium dos Innern

Approximate total staff: 8 - 10

Approximate annual budget: Within the budget of the Institut für Landeskunde

Date of first operation: 1966

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Geography (Papers of geographical periodicals and serials of all countries of the world)

Purpose of the System: Bibliography of the current geographic periodical and serial literature (published in Roman or Cyrillic script), published as a annual index volume giving full information about all titles of papers and articles published in the preceeding year; supplement register volume provides easy reference according to subject area and UDC notation code. For up-to-date information, the titles are also published in bi-monthly lists.

Kind of co-operation with other information systems: Co-operation with Zentralstelle für Maschinelle Dokumentation, Frankfurt a. Main

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Sources	Coverage	Language
Journals including abstract journals (Geographical journals)	Exhaustive	Several
Technical reports (Geographical journals and serials)	Exhaustive	Several

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract orig' ted by system			
U.D.C. or similar "universal" code	X	M	S
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: U.D.C.; Thesaurus of geographical terms (being prepared)

D.   MECHANISATION BASIS

Media used for total record: Visible records (bimonthly lists and annual volumes), computer magnetic tape, punched tape

Media used for the search record: Visible records (bimonthly lists and annual volumes), computer magnetic tape

Computer based

Configuration: Punched tape writer Ruden Flexowriter 2301

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system: Bimonthly lists, printed in offset, annual volumes, in letter-press printing for the future in photo-set printing (Linotron 505)

E.   OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: Subscription and individual enquiry

Charge basis to users:

Estimate of input of citations:

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Compiled by ECE

Name of system: JAPANESE OCEANOGRAPHIC DATA CENTER (KUROSHIO DATA CENTER)

Official Abbreviation: JODC

Address: Maritime Safety Agency, Hydrographic Department
3-1, 5-chome, Tsukiji, Chuo-ku, Tokyo, 104 Japan

Telephone: 03-541-3811

Telex: HDJODC 0252-2452 (Telex)

Cable Address: HYDROOFFICE TOKYO (Cable)

Sponsor or controlling body: Ministry of Transport

Approximate total staff: 8 + 5 seasonal staffs

Approximate annual budget: 20 million yen

Date of first operation: April 1, 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered:
 Oceanography
Purpose of the System:
 Acquisition, storage, retrieval, dissemination, processing and analysis of oceanographic data and
 informations.
Kind of co-operation with other information systems:
 Exchange of Oceanographic Data and Informations.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

               Books including bibliographies   Selected material   Several languages
               Journals including abstract journals   "   "
               Technical Reports   "   "
               General printed matter   "   "
               Manuscripts   "   "

(ii) Digested information from other systems:

     Cruise plan/report, data, reports, journals, newsletters, catalogues, etc. from the oceanographic
     organisations and institutions in the world.

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code	X	O	A
Classification code common to area covered	X	O	A
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D.   MECHANISATION BASIS

Media used for total record: Visible records
                             80 - column cards
Media used for the search record: Visible records, 80-column cards

Computer based

Configuration: IBM PCDP System, i.e. Key punch (No.26), Verifier (No.56) Sorter (No.83), Collator (No.77)
Reproducer (No.514) Accounting machine (No.40&). Data processings are being carried out at the Management
Computing Services, IBM Japan Ltd. IBM system 360/40 is used whose core is of 256 K tape unit of 6, discunit
of 4, card reader/punch (IBM 2540) printer (IBM 1403) calcomp 763/780.
Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:
Key punch, Verifier, Sorter, Collator, Reproducer, Accounting machine.   IBM System/360 model 20, submodel 5,
i.e. CPU (2020 D05), MFCM (2560 A01), Orinter (2203 A01) Magnetic tape unit (2415 004) magnetic disc unit
(2311 012), Calcomp (760/536).
Reprographic methods used to distribute the output of the system:
Xerox, Micro-film, Recopy, Quick copy, Reader printer, printed publication.

E.   OUTPUT TO USER

Output options available: CSK Newsletter: 20 pages/bi-month, CSK Atlas : 35 pages/annual
CSK Data Report: 80 pages (4 cruises) bi-month
Miscellaneous: 100 pages/sporadic

Machine-readable format in which output is available:
Oceanographic station data is available in the forms of 80-column card

F.   USAGE INFORMATION

Availability of the system: Through dooumentation services, Individual request can be made by any means, e.g.
oral letter, telephone, telex, etc.

Charge basis to users: Services are free of charge at present

Estimate of input of citations: Acquisition of Oceanographic station data: about 70 stations/day
Acquisition of bibliography : about 6 articles/day

Estimate of output of citations:
CSK Newsletter Bi-month, CSK ATlas Annual, CSK Data Report Bi-month.

G.   RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Name of system: COMMONWEALTH BUREAU OF HELMINTHOLOGY

Official Abbreviation: CBH

Address: The White House, 103 St. Peter's Street, St. Albans, Herts, England.

Telephone: St. Albans 52125

Telex:

Cable Address: HLMAB ST. ALBANS

Sponsor or controlling body: Commonwealth Agricultural Bureaux

Approximate total staff: 35

Approximate annual budget: £50,000 (excluding supporting laboratories)

Date of first operation: 1932

A.   AREA AND PURPOSE OF SYSTEM

Area covered: HELMINTHOLOGY NEMATOLOGY (PLANT)
Tropical diseases, Veterinary medicine, Animal husbandry, Fisheries parasitology, plant diseases

Purpose of the System: DOCUMENTATION : Production of two abstract journals "Helminthological Abstracts, Series A - Animal and Human Helminthology" and "Helminthological Abstracts, Series B - Plant Nematology"
INFORMATION : Library services, answering enquiries, etc .

Kind of co-operation with other information systems:

Part of Commonwealth Agricultural Bureaux

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	" "
Technical reports	Selected material	" "
General printed matter	Partial	" "

(ii) Digested information from other systems: Some use of other systems' abstracts e.g. other Commonwealth Agricultural Bureaux units

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source	X	O	
Abstract originated by system	X	O	S
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	M	S
Full text	X		A

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: User requirements

D.   **MECHANISATION BASIS**

Media used for total record: Visible records

Media used for the search record: "   "

Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:

                                 Letterpress. offset lithography, xerox, duplicator

---

E.   **OUTPUT TO USER**

Output options available:		No. of papers	No. of abstracts
	Helminthological abstracts, Series A; Animal and human helminthology;	800	5,000
	Helminthological abstracts Series B; Plant Nematology	160	1,000

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system: Individual request made personnally

Charge basis to users: Selective 50% less to CAB contributing governments for
                                 abstract journals;   otherwise the same for all users.

Estimate of input of citations: 20 per day

Estimate of output of citations: 19.5 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

                                           Compiled by OECD

VII.

NUCLEAR ENERGY

ENERGIE NUCLEAIRE

Name of system:	INTERNATIONAL NUCLEAR INFORMATION SYSTEM

Official Abbreviation:	INIS

Address: INIS Section, Division of Scientific & Technical Information, International Atomic Energy Agency, Kärntner Ring 11, P.O. Box 590, A-1011 Vienna, Austria

Telephone: Vienna 52 45 11,52 45 25

Telex: 01-2645

Cable Address: INATOM VIENNA

Sponsor or controlling body: IAEA

Approximate total staff: 20

Approximate annual budget: $500,000

Date of first operation: 1st April, 1970

A. AREA AND PURPOSE OF SYSTEM

Area covered: Nuclear Science and Technology

Purpose of the System: To collect, on a decentralised basis, technical information; to centrally check and process this information; to provide a printed index and a magnetic tape service of same; and to provide microfiche copy of abstracts and non-conventional literature submitted by Member States.
Kind of co-operation with other information systems:
Provision of INIS data base to compatible national information systems.

B. INFORMATION INPUTS

(i)
Sources	Coverage	Language
All textual and non-textual Information in the area covered Selection of material is the responsibility of Member States	Limited subject scope until system completely debugged	English is the carrier language for machine-readable records

(ii) Digested information from other systems:

Machine-readable input and/or abstracts may come from national information systems

C. RECORD CONTENT

	A*	B*	C*	
Authors	X	M	A	
Source	X	M	A	
Title i.e. original title	X	M	A	
Abstract originated at source	X	M		+
Abstract originated by system				
U.D.C. or similar "universal" code				
Classification code common to area covered	.			
Classification code peculiar to system	X	M	A	
Keywords, descriptors, terms	X	M	A	
Full text	X	M		++

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

+ Abstracts and full text not available in machine-readable form.

++ Full text of non-conventional literature only.

Classification basis used:

D.   **MECHANISATION BASIS**

Media used for total record: Magnetic Tape   (Abstracts and full texts on microfiche only)

Media used for the search record:

Computer based

Configuration: IBM 360/30, 64K, universal instruction set, 2 selector, 1 multiplexer channel
                4   2401/2 9 track, 800 bpi   1   1403/NI printer, universal character set
                1   2401/1 7 track, 200/556/800 cpi 1   2501 card reader
                3   2311 disc drives   1   2520 card reader/punch

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:
  Abstracts on microfiche (COSATI standard), on annual subscription basis;

  Full text of non-conventional literature on microfiche (price structure varies: for standing order of
     complete sets - 20 cents per fiche, and for single reports complete - 65 cents; both payable in
     advance)

E.   **OUTPUT TO USER**

Output options available: Atomindex (printed index to the magnetic tape and catalogue of the literature
                              available on microfiche from the INIS clearinghouse)
                           INIS Magnetic Tape
                           Microfiches of abstracts
                           Microfiches of full texts

Machine-readable format in which output is available:

  INIS implementation of ANSI standard for a format for bibliographic information interchange

F.   **USAGE INFORMATION**

Availability of the system: To Member States of the IAEA

Charge basis to users:

Estimate of input of citations: 100,000 per year (full scope);   25,000 per year (present limited scope)

Estimate of output of citations: as above

G.   **RECENT OR PLANNED DEVELOPMENTS**

             INIS Thesaurus of descriptors. Indexing   begun   in January 1971

                                     REFERENCES

- INIS Reference Series   1-12, 13, 13A;
- Proceedings of the Symposium on the Handling of Nuclear Information, Vienna 16-20 February 1970,
  paper entitled: "The design and implementation of an international nuclear information system (INIS),
  IAEA-SM-128/48 (p.607).

                                                                        Compiled by OECD

Name of system: EUROPEAN NUCLEAR DOCUMENTATION SYSTEM

Official Abbreviation: ENDS

Address: Luxembourg, 29, rue Aldringer

Telephone: 292.41

Telex: Telex: EUROPLUX 423

Cable Address:

Sponsor or controlling body: Commission of the European Communities

Approximate total staff: 40

Approximate annual budget: $ 500.000

Date of first operation: experimental: Jan. 1964
Public :   Nov. 1966

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Peaceful uses of nuclear energy

Purpose of the System: Supply research and industry of member countries with documentary information

Kind of co-operation with other information systems: Exchange of information under contract with member
countries, USAEC, UKAEA, and IAEA (Project INIS)

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
   Books including bibliographies   Extensive   other languages also
   Journals including abstract journals   Extensive   other languages also
   Technical reports   Extensive   other languages also
   General printed matter   Extensive   other languages also

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source			
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

Euratom Thesaurus : 1st edition 1964, 2nd edition 1966-67 Published as report EUR-500e

D. **MECHANISATION BASIS**

Media used for total record: Visible records, computer magnetic tape

Media used for the search record: computer magnetic tape

Computer based   Yes

Configuration: IBM 360; model 2050; 512 K bytes; 12 tape units 2400; 16 disc units 2314; I card read punch 2540; 3 printers 1403

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:
IBM 360 model 2050; 65 K bytes; 2 tape units; 1 disc unit; 1 card reader; 1 printer
IBM 360 model 2030; 65 K bytes; 1 tape unit; 2 disc units; 1 card reader; 1 printer

Reprographic methods used to distribute the output of the system:

E. **OUTPUT TO USER**

Output options available:

Photocopy or microfilm blowup of abstract file cards
Sizes: 6 x 4 inch and 8 x 6 inch
Specific one-off search: id. (average of 50 cards)
Selective dissemination by user profiles: id. (average of 20 cards/month)

Machine-readable format in which output is available:

F. **USAGE INFORMATION**

Availability of the system: System unavailable through documentation services
                              System available to individuals - by request on formsheet

Charge basis to users: free of charge, feedback required

Estimate of input of citations: 500 per day

Estimate of output of citations: 250 per day by user profiles
                                   300 per day by ad-hoc searches

G. **RECENT OR PLANNED DEVELOPMENTS**

Query adjustment by remote job entry through IBM 2770 terminal

REFERENCES

- Detant M.: "Le système de documentation mécanisée de l'EURATOM". R.U.M. No.2, pp.75-93 (1969)
- Detant M.: "La documentation mécanisée à l'EURATOM et le problème des brevets" Revue de Droit Intellectuel No.3 8-9, pp. 233-253 (1968)
- Detant M.: "Five years results in Automatic Documentation at the CID in EURATOM"

- Rolling L.: "A Computer-aided Information Service for Nuclear Science and Technology" Journal of Documentation, Vol. 22, No.2, pp.93-115 (1968)
- Rolling L.: EURATOM Thesaurus (2nd edition)
        Part I   EUR 500 e (1966), 90 p.
        Part II EUR 500 e (1967), 70 p.
- Vernimb C.: "Indexing Rules for the EURATOM Nuclear Documentation System" EUR 4500 e (1969), pp. 25 + 12 examples
- Vernimb C.: "Contacts between the EURATOM Nuclear Documentation and its users" EUR 4256 e pp.89-116 (1969).

Compiled by ECE

Name of system:	COMPUTER INDEX FOR NEUTRON DATA

Official Abbreviation:	CINDA

Address:	CCDN/NDCC B.P. 9, 91 Gif sur Yvette, France

Telephone:	9517333
Telex:	CECODON 69920F
Cable Address:	EURONUCLEAIRE GIF SUR YVETTE

Sponsor or controlling body:	ENEA of OECD,	CCDN Committee:	Austria, Belgium, Denmark, France, Germany, Italy, Japan, Netherlands, Norway, Spain, Sweden, Switzerland, United Kingdom

total staff:	18	Total CCDN, which has more activities than the
Approximate annual budget:	F.F.2,400,000.	described systems NEUDADA and CINDA
Date of first operation:	1964	

A. AREA AND PURPOSE OF SYSTEM

Area covered: Publications in the field of neutron physics: theoretical work, experimental work, compilation, evaluation

Purpose of the System: Quick survey about existing literature for data evaluators, neutron and reactor physicists

Kind of co-operation with other information systems: Completness check of part of the system against NEUDADA

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
Journals reports, theses, books, conference proceedings	Since 1932	English

(ii) Digested information from other systems: A second master file is held at DIIE of UNAEC at Oakridge. Exchange tapes. Entries prepared or collected by NDS of IAEA or CID of USSR State Committee are entered at CCDN

C. RECORD CONTENT

	A*	B*	C*
Authors	X	M	
Source	X	M	S
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:
                CINDA classification

D.   MECHANISATION BASIS

Media used for total record: Computer

Media used for the   n record: Computer

Computer based:

Configuration: IBM 360/30   64 K bytes QS

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system: Since early 1971:

                                    Computer line printer/offset printing
                                    Automatic photo type setting

E.   OUTPUT TO USER

Output options available: Only total entry can be retrieved

Machine-readable format in which output is available: Exist, no name

F.   USAGE INFORMATION

Availability of the system:

Charge basis to users: No charge

Estimate of input of citations: 70,000

Estimate of output of citations: Retrievals rather seldom. Publication of total content - see D.

G.   RECENT OR PLANNED DEVELOPMENTS

REFERENCES

CINDA Reader's Manual   CCDN - CI/21 January 1968
CINDA 69   May 1969
CINDA 69 supplement 1   January 1970
CINDA 69 supplement 2   August 1970

Name of System: NEUTRON DATA SYSTEM FOR DIRECT ACCESS

Official Abbreviation: NEUDADA

Address: CCDN/NDCC, B.P.9, 91 Gif-sur-Yvette (France)

Telephone: 951 73 33

Telex: CECODON 69920 F

Cable Address: EURONUCLEAIRE GIF-SUR-YVETTE

Sponsor or controlling body: ENEA of OECD,CCDN Committee(Austria, Belgium, Denmark, France, Germany, Italy, Japan, Netherlands, Norway, Spain, Sweden, Switzerland and the United Kingdom)

Total staff: 18

Approximate annual budget: 2,400,000 French Francs

Date of first operation: 1.8.1968

} Total CCDN, which has more activities then
  the described systems NEUDADA and CINDA

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Numerical results of neutron physics experiments (carried out in Western Europe or Japan)
Information from neutron induced reactrons

Purpose of the System: Basis for date evaluators, neutron and reactor physicists

Kind of co-operation with other information systems: exchange with NNCSC of USAEC, NDS of IAEA,
by translation from/to EXFØR   CID of State Committee USSR

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Journals, reports, thesis, books   No year limit   English
Conference proceedings, private   for the past
communications

(ii) Digested information from other systems:

Same information from SCISRS (NNCSC) resulting from experiments in USA and Canada
(See A)   (CID) resulting from experiments in USSR
                DASTAR (NDS) resulting from experiments in other parts of the world

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	M	S
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system	X	O	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	O	
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification basis used: SCISRS - classification/after translation EXFØR - classification

D.   MECHANISATION BASIS

Media used for total record: Computer

Media used for the search record: Computer

Computer based

Configuration: IBM 360/30 64 k bytes DØS

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   OUTPUT TO USER

Output options available: 1) index only   listings
                            2) data only   listings, tapes, cards, plots
                            3) data and descriptive information   listings, tapes, cards, plots

Machine-readable format in which output is available: CALCUL

F.   USAGE INFORMATION

Availability of the NEUDADA system: to users in Western Europe and Japan; others via NNCSC, NDS and CID

Charge basis to users: no charge

Estimate of input of citations: 1,300,000 data points with additional descriptive information

Estimate of output of citations: 1,500 data points with additional descriptive information per day

G.   RECENT OR PLANNED DEVELOPMENTS

                                            REFERENCES
NEUDADA system description   CCDN/SYS-2   April 1969
Data Index   CCDN-NW/8   March 1969
Data Index   CCDN-NW/11   October 1969

                                                              Compiled by OECD

<u>Name of system:</u>   SYSTEM OF THE U.S. ATOMIC ENERGY COMMISSION

<u>Official Abbreviation:</u>   None (there is no official name for the system so far)

<u>Address:</u>   P.O. Box 62, Oak Ridge, Tennessee 37830, U.S.A.

<u>Telephone:</u>   615-483-8611

<u>Telex:</u>   615-482-1742

<u>Cable Address:</u>

<u>Sponsor or controlling body:</u>   U.S. Atomic Energy Commission

<u>Approximate total staff:</u>   222 permanent positions; 8 part-time professional women; 10 temporary full-time employees; 5 part-time clerical employees

<u>Approximate annual budget:</u> $3½ million.

<u>Date of first operation:</u>   World War II establishment of local facility.

A.   AREA AND PURPOSE OF SYSTEM

<u>Area covered:</u> All phases of nuclear science and technology except routine uses of radioisotopes and radiations and routine radiotherapy and radiodiagnosis.

<u>Purpose of the System:</u>To make available to the nuclear scientist and engineer a comprehensive collection of citations, abstracts, and indexes to the current and past literature on nuclear science.
                                                  By agreement with the particular organisation, citations
<u>Kind of co-operation with other information systems:</u> and abstracts from 32 services are used in NSA.   By agreement with nuclear energy agencies of nine countries abstracts are received of material in scope for NSA published in their respective countries.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
   Books including bibliographies   Extensive   Several languages
   Journals including abstract journals   "   "   "
   Technical reports   "   "   "
   General printed matter   Selected material   "   "
   Manuscripts   Partial   "   "

(ii) <u>Digested information from other systems:</u> Occasionally if comprehensive report is made available to DTIE.

C.   RECORD CONTENT

	A*	B*	C*	
Authors	X	M	A	
Source	X	M	A	
Title e. original title	X	M	A	
Abstract originated at source[1]	X	M		[1]Not stored in
Abstract originated by system[1]	X	M		computer
U.D.C. or similar "universal" code				
Classification code common to area covered				
Classification code peculiar to system	X	M	A	
Keywords, descriptors, terms	X	O	A	
Full text				

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search
                            <u>NSA</u> is divided into 12 subject categories which are discipline oriented. Each
<u>Classification basis used:</u> discipline category is divided into sub-categories. In all these are 282 categories and sub-categories. Example: Chemistry and General Physics are categories; Inorganic, Organic, and Physical Chemistry and Cosmic Radiation are sub-categories.

D. ## MECHANISATION BASIS

<u>Media used for total record:</u> Visible records, 80-column cards, Other computer storage, interchangeable,
e.g. discs, Other computer storage, system-bound, e.g. core,

<u>Media used for the search record:</u> CRT Terminals for input.
Visible records, Computer magnetic tape, Other computer storage, inter-
changeable, e.g. discs, Other computer storage, system-bound, e.g. core,

Computer based : Stored on magnetic tape

<u>Configuration:</u>   IBM 360/20   1 paper tape reader
                      2 MB10 Core memory   1 multi-function card reader
                      16 K core   1 printer
                      4 tape drive

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:</u> Above configuration and two or more discs for each year (or volume) of data
being searched.

<u>Reprographic methods used to distribute the output of the system:</u> Offset lithography

E. ## OUTPUT TO USER

<u>Output options available:</u> Published journals of approximately 53,000 references, citations, abstracts and
indexes thereto. Published semi-annual and annual index cumulations. Computer data store of citations
(4.0 million words/year) subject indexes to <u>NSA</u> (1.5 million words/year), and keyterm indexes to each
citation (600,000 words/year). Only the subject index data store is presently searched on a batch made
by computer although capability exists to search the citation record from 1968 to date. Output size
depends upon extent of questions.   Batch searching of up to 500 Hollerith's input cards.

<u>Machine-readable format in which output is available:</u> Citations and keywords are available.

F. ## USAGE INFORMATION

<u>Availability of the system:</u> Retrieval is available only at DTIE upon written request with the
understanding that limitations of.7g are understood.

<u>Charge basis to users:</u> Because of time available, delay in processing, and local use of retrieval for
training, no charge is presently made.

<u>Estimate of input of citations:</u> Approximately 200 citations per day

<u>Estimate of output of citations:</u>   "   "   "   "   " Only one to two questions processed per
day with possibility of hundreds of abstract number references being delivered. Citations of bibliographic
data not furnished. Published journal (NSA) must be consulted by requester.

G. ## RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Compiled by OECD

Name of system: AB ATOMENERGI COMPUTERIZED USER-ORIENTED SERVICES

Official Abbreviation: ABACUS

Address: Aktiebolaget Atomenergi, (Studsvik), Section for Dokumentation, Faok, S-611 01 Nykoping, Sweden

Telephone: 0155 - 80000

Telex: Telex 64013 Aterg S

Cable Address: ATERO Nykoping

Sponsor or controlling body: AB Atomenergi and Swedish Counoil for Soientifio Information and Dooumentation

Approximate total staff: 5

Approximate annual budget: $20.000

Date of first operation: 1966

A. AREA AND PURPOSE OF SYSTEM

Area covered: Nuolear Soienoes, Nuolear Applioations, Physios, Chemistry, Earth Soienoes, and Life Soienoes.

Purpose of the System: Retrospeotive literature searohes, Seleotive dissemination of information for researoh projeots, and responsibility for computer based bibliographio input of Swedish publioations in nuolear soienoes to computerized international nuolear information systems.

Kind of co-operation with other information systems: Desoriptive Cataloguing input to Nuolear Science Abstraots (NSA) International Nuolear Information System (INIS), U.S. AEC Depository Library; subsoriber to available computer based data tapes applioable to oovered field of soienoes.

B. INFORMATION INPUTS

(i)
Sources	Coverage	Language
Books including bibliographies	Seleoted material	Several languages
Journals inoluding abstraot journals	"	"
Teohnioal reports	"	"

(ii) Digeated informetion from other systems: Metals Abstraots, Nuolear Soienoe Abstraots, Soienoe Citation Index Source Tape, Chemical Abstraots Services (BMCD), POST, INSPEC, Royal Inst. of Teohnology Engineering Data Base etc.

C. RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstraot originated at souroe			
Abstract originated by syatem			
U.D.C. or similar "universal" code			
Classification code common to area covered	X	O	S
Classification code peouliar to system			
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification basis used: COSATI Categories, EURATOM Key-words, and an internal set of Subject Headings.

D.

MECHANISATION BASIS

Media used for total reoord: Visible records, 80 oolumn oards, Other punohed oards, inoluding edge-punohe
or ooinoidenoe oards, oomputer magnetio tape, Paper Tape
Media used for the searoh reoord: Visible reoords, 80 oolumn oards, Other punohed oards, inoluding edge-punohed
or ooinoidenoe oards, oomputer magnetio tape
Computer based

Configuration: IBM 360/30F (64 k), oard reader/punoh (mod. 1442) paper tape reader (mod. 2371), oonsol/type
writer (mod. 1052), printerx (mod. 1403), 3 diso memorios (mod. 2311), 2 magnetio tape units (mod. 2400).

**Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:** IBM 360/30F, one mod. 2311, two mod. 2400, one mod. 1403

Reprographic methods used to distribute the output of the system:
Dennison Copier, and a prototype mioro fiohe oopier

E.

OUTPUT TO USER

Output options available:	Souroe Citation	(3 x 56 oharaoters)	M	(mandatory)	Looation (12 x 4 char. X
Nuolear Soienoe and	Souroe title	(3 x 56 ")	M		
Applioations.	Author	(3 x 36 ")	M	(optional)	
Announoement Lists with	Sponsoring body	(1 x 56 ")	X		
Cumulative indexes.	Series Title	(2 x 56 ")	X		
c:a.500.	Imprint	(2 x 56 ")	X		
	Subjeot ooding	(5 x 15 ")	X		

Machine-readable format in which output is available:
Magnetic tape

F.

USAGE INFORMATION

Availability of the system: Documentation services and libraries, individually by letter, telephone et.
oompleted by interviews for formulation of final requests.

Charge basis to users: Free or 300 swors

Estimate of input of oitations: 60 per day

Estimate of output of oitations: 200 per day

G.

RECENT OR PLANNED DEVELOPMENTS

Serials handling by computer aid

REFERENCES

- Bjorn V. Tell: "ABACUS-AB Atomic Energy Computerised Services;
The Mechanisation of Bibliographio List Production" IEEE Transactions on
Engineering, Writing and Speech, Vol. EWS-11, No. 2, August 1968

Compiled by OECD

Name of system: JAPANESE NUCLEAR DATA COMMITTEE

Official Abbreviation: JNDC

Address: Tokai Research Establishment, Japan Atomic Energy Research Institute, Tokaimura, Ibaragi-kon, Japan

Telephone: Local No. 2-2211 (area number: 02928)

Telex:

Cable Address:

Sponsor or controlling body: Atomic Energy Society of Japan and Japan Atomic Energy Research Institute.

Approximate total staff:

Approximate annual budget:

Date of first operation:

A.   AREA AND PURPOSE OF SYSTEM

Area covered:
Nuclear energy
Purpose of the System: Compilation and evaluation of those nuclear data, which are pertinent to the
development of peaceful use of atomic energy

Kind of co-operation with other information systems: Exchange of informations, including numerical data, with
ENEA countries and IAEA through European-American Nuclear Data Committee (ENEA) International Nuclear Data
Committee (IAEA) and Neutron Data Compilation Center, CCDN ENEA.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
            Books including bibliographies Selected material   Several languages also
            Journals including abstract journals   "   "
            Technical reports   "   "
            General printed matter   "   "
            Manuscripts   "   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source			
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D.   **MECHANISATION BASIS**

    Media used for total record:

    Media used for the search record:

    Computer based

    Configuration:

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere:

    Reprographic methods used to distribute the output of the system:

E.   **OUTPUT TO USER**

    Output options available:

    Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

    Availability of the system:

    Charge basis to users:

    Estimate of input of citations:

    Estimate of output of citations:

G.   **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Compiled by OECD

Name of system:	NATIONAL NEUTRON CROSS SECTION CENTER
Official Abbreviation:	NNCSC
Address:	Brookhaven National Laboratory, Upton, Long Island, New York, U.S.A. 11973
Telephone:	924-6262 Ext. 2532
Telex:	Brooklab
Cable Address:	UPTONY

Sponsor or controlling body:	United States Atomic Energy Commission

Approximate total staff:	25
Approximate annual budget:	$750,000
Date of first operation:	NNCSC formed 1967 out of activities begun in 1951

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Neutron nuclear reactions

Purpose of the System: Storage and retrieval of neutron induced nuclear reaction data

Kind of co-operation with other information systems: Data exchange with ENEA,   IAEA,   and USSR data centers

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
     Journals, laboratory reports, private comm.   Complete   English

(ii) Digested information from other systems:

     None

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:

D.   <u>MECHANISATION BASIS</u>

<u>Media used for total record</u>:   Tape

<u>Media used for the search record</u>:   Disc

<u>Computer based</u>   PDP-10 (Digital Equipment Corporation)

<u>Configuration</u>:   48 K (decimal) storage   2   discs
               1000 lmp printer   1   calcomp plotter
               1000 opm card reader
               2   tape drives
<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere</u>:

<u>Reprographic methods used to distribute the output of the system</u>:

         line printer output
         35 mm film

E.   <u>OUTPUT TO USER</u>

<u>Output options available</u>:   listings, tapes, graphs

<u>Machine-readable format in which output is available</u>:   Yes

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F.   <u>USAGE INFORMATION</u>

<u>Availability of the system</u>:   Qualified users in U.S. and Canada

<u>Charge basis to users</u>:   None

<u>Estimate of input of citations</u>:

<u>Estimate of output of citations</u>:

G.   <u>RECENT OR PLANNED DEVELOPMENTS</u>

<u>REFERENCES</u>
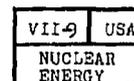
Name of system: NUCLEAR MAGNETIC RESONANCE ABSTRACTS SERVICE

Official Abbreviation:

Address: Preston Technical Abstracts Company, P.O. Box 791
                                   Evanston, Illinois 60204 U.S.A.

Telephone: (302) 475-4397

Telex:

Cable Address:

Sponsor or controlling body:

Approximate total staff: 15

Approximate annual budget: $100,000

Date of first operation: July 1964

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Nuclear Magnetic Resonance

Purpose of the System: To provide researchers in this area the ability to keep currently
                                   aware of research and to help in the retrieval of information.

Kind of co-operation with other information systems: A computer-based retrieval system was developed
                                   for searching this Abstract Service.   This System was developed by
                                   the U.S. Department of Health, Education & Welfare and is sold to
                                   subscribers on a non-profit basis.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
Books including bibliographies   Selected material   Several languages
Journals including abstract journals Extensive   "   "
Technical reports   Partial   "   "
General Printed Matter   Selected material   "   "
Manuscripts   Selected material   "   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system	X	O	A
U.D.C. or similar "universal" code			
Classification code common to area covered	X	O	A
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: One heading for "Nuclear", 32 subheadings
                              One heading for "General Classificators", 20 subjeadings
                              One heading for "Specific Classificators", 60 subheadings

D.
MECHANISATION BASIS

Media used for total record: Visible records, computer magnetic tape

Media used for the search record: 80-column cards, computer magnetic tape

Computer based   computer-based system available to supplement Abstract Service

Configuration: Type 360 IBM/MOdel 65 DOS System

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.
OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:

F.
USAGE INFORMATION

Availability of the system:

Charge basis to users: Yearly subscription rate for monthly abstract publication - $240.00
Cost of tape and programme for searching system - $125.00
(Update fee approximately $125.00)

Estimate of input of citations: Approximately 225 abstracts oer month

Estimate of output of citations:

G.
RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Compiled by OECD

Name of system: NUCLEAR SAFETY INFORMATION CENTER

Official Abbreviation: NSIC

Address: Oak Ridge National Laboratory, P.O. Box Y,
                         Oak Ridge, Tennessee 37830

Telephone: 615-483-8611, Ext. 3-7253

Telex:

Cable Address:

Sponsor or controlling body: U.S. Atomic Energy Commission,
                                Division of Reactor Development and Technology

Approximate total staff: 28

Approximate annual budget: $450,000.

Date of first operation: 1963

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Multidisciplines related to the mission-oriented task of being cognizant of anything related
               to nuclear safety.

Purpose of the System: Act as a focal point for the collection, evaluation, and dissemination of safety
    information so as to assist in defining and solving problems relevant to the analysis, design, and
    operation of nuclear facilities.

Kind of co-operation with other information systems: Exchange of input information and enquiries with
    other ORNL centers;   also other U.S. centers.

B.   INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Selected material	National language only
Journals including abstract journals	Extensive	" " "
Technical reports	"	" " "
General printed matter	"	" " "
Manuscripts	Selected material	" " "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system	X	M	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:

D.   <u>MECHANISATION BASIS</u>

<u>Media used for total record</u>:   Computer magnetic tape, Other computer storage, interchangeable, e.g. discs

<u>Media used for the search record</u>: Computer magnetic tape, Other computer storage, interchangeable, e.g. discs

Computer based

<u>Configuration</u>: IBM-360 Model 50/65, Data cell storage, IBM-2260 and 2740 remote access

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere</u>:
                    IBM 360 system or equivalent

<u>Reprographic methods used to distribute the output of the system</u>:

E.   <u>OUTPUT TO USER</u>

<u>Output options available</u>:   Output includes small bibliographical information
                               + a 100-word abstract and keywords

<u>Machine-readable format in which output is available</u>: Output includes usual bibliographic information
       plus a 100-word abstract and keywords

F.   <u>USAGE INFORMATION</u>

<u>Availability of the system</u>:   By letter or telephone

<u>Charge basis to users</u>:   No charge to qualified users

<u>Estimate of input of citations</u>:   3 per day

<u>Estimate of output of citations</u>: 3 per day

G.   ·RECENT OR PLANNED DEVELOPMENTS

<u>REFERENCES</u>

Compiled by OECD

Name of system:	RADIATION SHIELDING INFORMATION CENTER
Official Abbreviation:	RSIC
Address:	P.O. Box X, Oak Ridge Laboratory, Oak Ridge, Tenn. 37830 U.S.A.
Telephone:	615 483 8611, ext. 3-0944
Telex:	
Cable Address:	ORNL, Oak Ridge, Tenn.
Sponsor or controlling body:	U.S. Atomic Energy Commission
Approximate total staff:	12
Approximate annual budget:	$300,000
Date of first operation:	1962

A.   **AREA AND PURPOSE OF SYSTEM**

Area covered: Shielding against radiation from nuclear reactors, accelerators, and radiosotopes and radiation occurring in space.

Purpose of the System: Provide information, computer codes and data to assist nuclear engineers to solve radiation shielding problems.

Kind of co-operation with other information systems: Exchange computer programs with OECD-ENEA Computer Programme Library and Argonne Code Center.   Participate in development of Evaluated Nuclear Data File with National Neutron Cross Section Center.

B.   **INFORMATION INPUTS**

(i)

Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	" "
Technical reports	"	" "
General printed matter	Selected material	National language only
Manuscripts	Partial	" " "

(ii) Digested information from other systems:

C.   **RECORD CONTENT**

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	
Abstract originated at source	X	O	
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X		
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Classification is special list of subject categories which may be described by key words.

D.   **MECHANISATION BASIS**

   Media used for total record: Visible records, 80-column cards, computer magnetic tape,
                                other computer storage, interchangeable, e.g. discs, system-bound
   Media used for the search record: Computer magnetic tape, other computer storage,   (e.g. core.
                                  interchang-able, e.g. discs, system-bound, e.g. core.
   Computer based   IBM 360, COBOL Language

   Configuration: IBM 360 Model 65/50 intercoupled system; core-200 K; 2-IBM 2400
                                  7-channel tape drives; 4-IBM 2400 9-channel tape drives; 3-IBM 2311
                                  disc; 1-IBM 2321 data cell; 1-IBM 2540 card reader; 1-IBM 1403
                                  printer. This does not include core and direct access devices.
Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: 164 K of core; 1-IBM 2400 7-channel tape drive; 4-IBM 2400
                                  9-channel tape drive; 1-IBM 2311 disk; 1 card reader; 1 printer.
                                  This configuration does not include the core and direct access
                                  devices used for system residence.
Reprographic methods used to distribute the output of the system: Selective dissemination of information and
                                  special searches are printed on preprinted forms and mailed directly
                                  to customers. Bibliographies are printed using IBM-1403 printer
                                  and published as ORNL-RSIC reports.

E.   **OUTPUT TO USER**

   Output options available: Bibliographies and/or abstracts by subject category or logical
                                  combination of categories, variable size.

Machine-readable format in which output is available: Computer codes and data are available on
                                  magnetic tape to European requesters via ENEA Computer Programme
                                  Library.

F.   **USAGE INFORMATION**

   Availability of the system: Available to individuals, request by mail or telephone. Most
                                  information and services are provided by direct contact with users.
                                  some output is published.
   Charge basis to users: No charge at present (1970)

   Estimate of input of citations: 3 per day

   Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

REFERENCES

VIII.

PATENTS

BREVETS

Name of system: SHARED SYSTEM PROGRAM   (I)

Official Abbreviation:

Address: 1211 Geneva,
            32 Chemin des Colombettes, Switzerland.

Telephone: 34.63.00

Telex: 22376

Cable Address: WIPO .OMPI   Geneva

Sponsor or controlling body: ICIREPAT, World Intellectual Property Organisation

Approximate total staff: 3

Approximate annual budget: Not known

Date of first operation: 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Whole patent literature (i.e. applied sciences) lubricants

Purpose of the System: Improving and alleviating novelty search in Patent Offices

Kind of co-operation with other information systems: None at the moment

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

General printed matter:
    Patents and like documents   Extensive   Several languages

(ii) Digested information from other systems: Not applicable

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	X	M	A
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code Int. Cl.	X	O	A
Classification code common to area covered	X	O	A
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: International Patent Classification (int. Cl.):   C 10m
            National Classification of Originating Office (NL):
                    23 Cl g, h, k - 23 C3 g, h, k

D.   **MECHANISATION BASIS**

<u>Media used for total record</u>:   80-column cards, direct coded

<u>Media used for the search record</u>: 80-column cards

<u>Computer based</u>:   Not applicable

<u>Configuration</u>:

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere</u>:

<u>Reprographic methods used to distribute the output of the system</u>:

E.   **OUTPUT TO USER**

<u>Output options available</u>: Operational system containing about 21,000 patent documents in Belgium, Denmark, France, Germany (Fed. Rep.), Netherlands, Sweden, Switzerland, the United Kingdom and United States

<u>Machine-readable format in which output is available</u>:

F.   **USAGE INFORMATION**

<u>Availability of the system</u>:   WIPO

<u>Charge basis to users</u>:

<u>Estimate of input of citations</u>:

<u>Estimate of output of citations</u>:

G.   **RECENT OR PLANNED DEVELOPMENTS**

System operational for shared use — All new patent and like documents in this field are indexed by a shared effort of all participating offices

REFERENCES

Compiled by OECD

Name of System:	SHARED SYSTEM PROGRAM (II)

Official Abbreviation: None

Address: 1211 Geneva, 32 Chemin des Colombettes, Switzerland.

Telephone: 34.63.00

Telex: 22376

Cable Address: WIPO   OMPI   Geneva

Sponsor or controlling body: ICIREPAT, World Intellectual Property Organisation

Approximate total staff: 3

Approximate annual budget: Not known

Date of first operation: 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Whole patent literature (i.e. applied sciences) alloys

Purpose of the System: Improving and alleviating novelty search in Patent Offices

Kind of co-operation with other information systems: None at the moment

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
General printed matter: Patents and like documents	Extensive	Several languages

(ii) Digested information from other systems: Not applicable

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	X	M	A
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code Int. Cl.			
Classification code common to area covered	X	O	A
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: International Patent Classification (Int. Cl.):   C 22c
                                  National classification of originating office (GB):   C7A

D.   **MECHANISATION BASIS**

Media used for total record: 90-column cards, direct coded - Other punched cards, including edge-
                                                          punched or coincidence cards

Media used for the search record: 90-column cards - Other punched cards, including edge-
                                                          punched or coincidence cards

Computer based: Not applicable

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   **OUTPUT TO USER**

Output options available: Operational system containing about 26,000 patent documents from the
                           following countries: Austria, Belgium, Czechoslovakia, Denmark, France,
                           Germany (Fed. Rep.), Luxembourg, Netherlands, Sweden, Switzerland, the
                           United Kingdom and United States

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system: Available through Sales Branch of the United Kingdom Patent Office

Charge basis to users:

Estimate of input of citations:

Estimate of output of citations:

G.   **RECENT OR PLANNED DEVELOPMENTS**

                    System fully operational for shared use.
                    All new patent and like documents in this field are indexed by
                    a shared effort of all participating offices

                                    REFERENCES

Name of system: SHARED SYSTEM PROGRAM (III)

Official Abbreviation: None

Address: 1211 Geneva,
            32 Chemin des Colombettes

Telephone: 34.63.00

Telex: 22370

Cable Address: WIPO   OMPI   Geneva

Sponsor or controlling body: ICIREPAT, World Intellectual Property Organization

Approximate total staff: 3

Approximate annual budget: Not known

Date of first operation: 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Whole patent literature (i.e. applied sciences) AD-Convertors

Purpose of the System: Improving and alleviating novelty search in Patent Offices.

Kind of co-operation with other information systems: None at the moment

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
    Journals including abstract journals   Extensive   Several languages
    Technical reports   Extensive   "   "
    General printed matter: Patents and
                        like documents   Extensive   "   "

(ii) Digested information from other systems:

                        Not applicable

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	X	M	A
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Not bound to any classification
                             Subject matter description

D. ## MECHANISATION BASIS

Media used for total record: 80-column cards

Media used for the search record: 80-column cards.   Other punched cards, including edge-punched or coincidence cards.

Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

E. ## OUTPUT TO USER

Output options available: Operational system containing about 2,830 patent documents in Belgium, Czechoslovakia, France, Netherlands, Switzerland, the United Kingdom and United States.   There are also 1,200 non-patent documents

Machine-readable format in which output is available:

F. ## USAGE INFORMATION

Availability of the system: WIPO

Charge basis to users:

Estimate of input of citations: Not applicable

Estimate of output of citations: Not applicable

G. ## RECENT OR PLANNED DEVELOPMENTS

System operational for shared use.   All new patent and like documents in this field are indexed by a shared effort of all participating offices.

REFERENCES

Compiled by OECD

Name of system: SHARED SYSTEM PROGRAM (IV)

Official Abbreviation: None

Address: 1211 Geneva,
               32 Chemin des Colombettes.

Telephone: 34.63.00

Telex: No. 22376

Cable Address: WIPO OMPI   Geneva

Sponsor or controlling body: ICIREPAT, World Intellectual Property Organization

Approximate total staff: 3
Approximate annual budget: Not known
Date of first operation: 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Whole patent literature (i.e. applied sciences) lasers and masers

Purpose of the System: Improving and alleviating novelty search in Patent Offices.

Kind of co-operation with other information systems: None at the moment

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Journals including abstract journals   Extensive   Several languages
Technical reports   "   "   "
General printed matter: Patents and
                like documents   "   "   "

(ii) Digested information from other systems: Not applicable

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	X	M	A
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: International Patent Classification (Int. Cl.): H 01 S

MECHANISATION BASIS

Media used for total record: 80-column cards

Media used for the search record: 80-column cards.

Computer based   Not applicable

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

OUTPUT TO USER

Output options available: Operational system containing about 2,000 patent documents in France, Germany (Fed. Rep.), Netherlands, the United Kingdom and 1,750 non-patent documents

Machine-readable format in which output is available:

USAGE INFORMATION

Availability of the system: WIPO

Charge basis to users:

Estimate of input of citations: Not applicable

Estimate of output of citations: Not applicable

RECENT OR PLANNED DEVELOPMENTS

System operational for shared use.   All new patent and like documents in this field are indexed by a shared effort of all participating offices.

REFERENCES

Compiled by OECD

Name of system: SHARED SYSTEM PROGRAM   (V)

Official Abbreviation: None

Address: 1211 Geneva,
           32 Chemin des Colombettes

Telephone: 34.63.00

Telex: No. 22376

Cable Address: WIPO OMPI   Geneva

Sponsor or controlling body: ICIREPAT, World Intellectual Property Organization

Approximate total staff: 3

Approximate annual budget: Not known

Date of first operation: 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Whole patent literature (i.e. applied sciences) layered products

Purpose of the System: Improving and alleviating novelty search in Patent Offices

Kind of co-operation with other information systems: None at the moment

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

    General printed matter: Patents
                    and like documents   Extensive   Several languages

    Operational system containing about 25,000 patent documents in eight countries.   ·

(ii) Digested information from other systems:
            Not applicable

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	X	M	A
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code	X	O	A
Classification code common to area covered	X	O	A
Classification code peculiar to system			
Keywords. descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: International Patent Classification (Int. Cl.):   B 32b

D.   **MECHANISATION BASIS**

Media used for total record: 80-column cards.   Other punched cards, including edge-punched or
                                                                             coincidence cards.
Media used for the search record: 80-column cards.   - do -

Computer based   Not applicable

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   **OUTPUT TO USER**

Output options available: Operational system containing about 25,000 patent documents in
                                       Belgium, France, Germany (Fed. Rep.), Luxembourg, Netherlands,
                                       Switzerland, the United Kingdom and United States

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system: WIPO

Charge basis to users:

Estimate of input of citations: Not applicable

Estimate of output of citations: Not applicable

G.   **RECENT OR PLANNED DEVELOPMENTS**

                      System operational for shared use.   All new patent and like documents in this
                      field are indexed by a shared effort of all participating offices.

REFERENCES

Compiled by OECD

Name of system:	PATENT OFFICE DATA BASE SYSTEM
Official Abbreviation:	None
Address:	U.S. Patent Office, Washington D.C. 20231
Telephone:	703 557-3756
Telex:	
Cable Address:	
Sponsor or controlling body:	U.S. Patent Office
Approximate total staff:	Not yet determined
Approximate annual budget:	$5,000,000. in future years
Date of first operation:	Not yet operational

A. AREA AND PURPOSE OF SYSTEM

Area covered: All areas which can result in patentable inventions - "... any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof ..."

Purpose of the System: Information retrieval for patentability determination - Statistical analyses
Meet administrative needs in processing applications
Electronic composition for printing

Kind of co-operation with other information systems: None at present

B. INFORMATION INPUTS

(i)	Sources	Coverage	Language
	Patents	Extensive	National language only

(ii) Digested information from other systems:

C. RECORD CONTENT

	A*	B*	C*
Authors	X	O	
Source	X	O	
Title i.e. original title	X	O	
Abstract originated at source	X	O	
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered	X	O	
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text	X	O	

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search   ) Not applicable at
    A = the item is available for search) present

Classification basis used: U.S. Patent Classification System

D. **MECHANISATION BASIS**

<u>Media used for total record:</u>   Computer magnetic tape, Other computer storage, interchangeable, e.g. discs

<u>Media used for the search record:</u> Computer magnetic tape, Other computer storage, interchangeable,
e.g. discs, Other computer storage, system-bound, e.g. core

<u>Computer based:</u>   Not yet determined

<u>Configuration:</u>   "   "   "

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:</u> Not yet determined

<u>Reprographic methods used to distribute the output of the system:</u> Not yet determined

E. **OUTPUT TO USER**

<u>Output options available:</u> _

<u>Machine-readable format in which output is available:</u>   _

F. **USAGE INFORMATION**

<u>Availability of the system:</u>   Not determined

<u>Charge basis to users:</u>   _

<u>Estimate of input of citations:</u>   280 per day

<u>Estimate of output of citations:</u> Unknown

G. **RECENT OR PLANNED DEVELOPMENTS**

First input in July 1970 at rate of 100 patents per week; input at rate of 100 patents
per week by end of 1970. Approximately 1,300 patents were in the system by the end of
1970 which represents less than 1/3 of 1 % of U.S. patents.

REFERENCES

Compiled by OECD

IX.

PHYSICS

PHYSIQUE

Name of the system: PHYSIKALISCHE BERICHTE

Official Abbreviation: PB

Address: D 33 Braunschweig, Bundesallee 100

Telephone: 5922278

Telex: 9-62822 (ptb bswg)

Cable Address:

Sponsor or controlling body: 1) Bundes-Wirtschaftsministerium, Bonn
2) Deutsche Physikalische Gesellschaft

Approximate total staff: 21

Approximate annual budget: 800 000 DM

Date of first operation: 1921

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Physics

Purpose of the System: Producing and publishing abstracts of primary literature in physics

Kind of co-operation with other information systems: Tentative exchange of abstracts with
"Physics abstracts"

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Selected	Several languages
Journals including abstract journals	exhaustive	"
Technical reports	selected	"

(ii) Digested information from other systems: No

C.   RECORD CONTENT

	A*	B*	C*
Authors	X		
Source	X		
Title i.e. original title	X		
Abstract originated at source			
Abstract originated by system	X		
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X		
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Own classification scheme is used.
The field is divided into   12 chapters, 80 headings, 900 subheadings.

D.   MECHANISATION BASIS

Media used for total record: Visible records

Media used for the search record: Visible records and Computer magnetic tape for annual and monthly
                                   indexes only
Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system: The abstracts are printed in monthly
issues, one author and subject index p.a.

E.   OUTPUT TO USER

Output options available: 47 000 abstracts or citation

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system:

Charge basis to users: Annual subscription including index
                        340 DM for libraries
                        140 DM for individuals
Estimate of input of citations: 200 per day

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

          Computer programme development for photo typesetting of the annual subject index

                                       REFERENCES

Name of system:	MASS SPECTROMETRY DATA CENTRE
Official Abbreviation:	MSDC
Address:	The U.K. Atomic Energy Authority, AWRE, Aldermaston, Berks., U.K., Atomic Weapons Research Establishment.
Telephone:	Tadley 4111, Ext. 5852
Telex:	84104
Cable Address:	

Sponsor or controlling body:	Office for Scientific and Technical Information and the Department of Trade and Industry, London

Approximate total staff:	8
Approximate annual budget:	
Date of first operation:	1966

A. **AREA AND PURPOSE OF SYSTEM**

Area covered: Mass Spectrometry and Allied Topics

Purpose of the System: Provision of a comprehensive data and information service to all users of mass spectrometry

Kind of co-operation with other information systems:

B. **INFORMATION INPUTS**

(i)
Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	" "
Technical reports	"	" "

(ii) Digested information from other systems: To supplement visual scanning of primary journals the following computer base scanning services are used:

Institute of Scientific Information, Philadelphia, ASCA IV Service.
U.K. Chemical Information Service, Computer Searches of Chemical Abstracts.
Relevant data is also extracted from computer searches of Chemical Titles and Nuclear Science Abstracts.

C. **RECORD CONTENT**

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	A
Keywords. descriptors, terms	X	O	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Information storage and Retrieval Vol. 4, pp. 133-137, 1968, Procs. 3rd Conference, Sheffield, Institute of Information Scientists. pp. 25-30, 1968.

D.   MECHANISATION BASIS

Media used for total record: Visible records, 80-column cards, Computer magnetic tape

Media used for the search record: Visible records, Computer magnetic tape
                        An IBM 360/50 Computer is used to sort and tabulate all data for the Mass Spectrometry
Computer based: Bulletin. Cobol language is used. An IBM 7030 Computer is used for preparation of
                        Mass Spectral Data Sheets.
Configuration: Computers IBM 360/50 and 7030 - Card Reader IBM 2540 - Printer IBM No. 1403 -
                        Tape Units IBM Model 2400-2 - Disc Units IBM Model 2314 - Card Punch IBM Model No. 029 -
                        Card Sorter IBM Model No. 083

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: The Computer is not at present used for file searching. Programmes for this
                        purpose are under development.

Reprographic methods used to distribute the output of the system: For complete output distribution via the
    Mass Spectrometry Bulletin the IBM 1403 output is pasted on to 24" x 15" sheets for insertion into an
    Addressograph Photo Direct Model 705 plate-making machine which produces in one operation a reduced
    size plastic plate suitable for reproduction on Multilith Model 1250 offset litho printers.

E.   OUTPUT TO USER

Output options available: Mass Spectrometry Bulletin (11½" x 8¼") published monthly since November 1966
    with cumulated Annual Indexes.   Also available on magnetic tape.

    Data sheets are published in sets of 250 spectra.   Also available on magnetic tape in sets of 1,000
    spectra or as complete collection.

Machine-readable format in which output is available: Bulletin and Data sheets available on
                                                        Magnetic Tape.

F.   USAGE INFORMATION

Availability of the system: Mass Spectrometry Bulletin is available from Her Majesty's Stationery Office,
    P.O. Box 569 London or from British Information Services, 843 3rd Avenue, New York, NY 10022, U.S.A.
    Spectral Data sheets are available from The Mass Spectrometry Data Centre, AWRE, Aldermaston, Berks.
Charge basis to users: Bulletin: £25. per annum plus postage including annual index
                                   £300. per annum on magnetic tape.
    Data Sheets: £25. plus postage for each lot of 1,000 Spectra. Tapes: £60. for 1,000 MSDC Spectra on
Estimate of input of citations: magnetic tape.   £160 for collection of 6,000 Spectra from existing
                                 collections on magnetic tape.
        25 per day
Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                        Introduction of Computer controlled optional typesetting for printing the
    Mass Spectrometry Bulletin. Improved classification of chemical compounds to facilitate Computer searches.

REFERENCES

    Information Storage and Retrieval Vol. 4, pp. 133-137, 1968.

    Proceedings 3rd Conference, Sheffield, Institute of Information Scientists. pp. 25-30, 1968.

| Name of system: | APPLIED MECHANICS REVIEWS |

| Official Abbreviation: | AMR |

| Address: | Soutwest Research Institute, Post Office Box 28510, San Antonio, Texas 78228. |

| Telephone: | 512 OV 4-2000, Ext. 315 |

| Telex: | |

| Cable Address: | |

| Sponsor or controlling body: | The American Society of Mechanical Engineers, Southwest Research Institute. |

Approximate total staff:	10 paid and 2,000 voluntary
Approximate annual budget:	$200,000
Date of first operation:	1948

A.   **AREA AND PURPOSE OF SYSTEM**

Area covered: Applied Mechanics and related engineering sciences

Purpose of the System: To inform scientists and engineers of the developments in the subject fields and the lasting contribution of the technical literature

Kind of co-operation with other information systems: Member, National Federation of Science Abstracting and Indexing Services.

B.   **INFORMATION INPUTS**

(1) Sources	Coverage	Language
Books including bibliographies	Selected material	Several languages
Journals including abstract journals	Partial	" "
Technical reports	"	" "
Technical films		

(ii) **Digested information from other systems:**

C.   **RECORD CONTENT**

	A*	B*	C*
Authors	X	M	S
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system	X		
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	
Keywords, descriptors, terms			
Full text	X	M	

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

Subject list developed and kept up to date by AMR through cooperation of Associate Editors and some reviewers

Presently :   6 superheadings
           56 main headings
          600 sub-headings

D.   MECHANISATION BASIS

Media used for total record:

Media used for the search record:

Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   OUTPUT TO USER

Output options available: 12 + 1 monthly issues containing reference to 10,000 items composed mostly of
                          critical abstracts, some author's abstracts and monthly and annual indexes

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system:

Charge basis to users: Yearly subscription

Estimate of input of citations:

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                                          REFERENCES

Critical Abstracts - CFSTI AD 631 624, MAMMAX-CFSTI PB 174 700, WADEX-AFOSR-65-0728, WADEX
Documentation, AKWIC-CFSTI PB 185 294

                                                          Compiled by OECD

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Name of system: PLASMA PHYSICS SDI SERVICE

Official Abbreviation:

Address: Information Office, U.K. Atomic Energy Authority,
Culham Laboratory, Abingdon, Berkshire, U.K.

Telephone: Oxford   41721 (Ext.347)

Telex: 83189 (telex)

Cable Address:

Sponsor or controlling body: Office for Scientific and Technical Information (OSTI)

Approximate total staff: 3

Approximate annual budget: £5,000.

Date of first operation: March 1967

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Plasma Physics and controlled thermonuclear fusion

Purpose of the System: To provide rapid current awareness to physicists and engineers working in
this field, with high relevance and at minimum cost

Kind of co-operation with other information systems: Nil

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Sources	Coverage	Language
Books including bibliographies	Selected material	Several languages
Journals including abstract journals	Extensive	" "
Technical reports	"	" "
General printed matter	Selected material	" "

(ii) Digested information from other systems: Input from USG R & D Report Abstracts
Dissertation Abstracts

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X		S
Title i.e. original title	X		S
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X(1)		S(1)
Full text			

* A: X = the item is present in the record   (1) Report literature only
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

                    For journal material, titles and authors only used for input, for reports keywords
Classification basis used: are added.   Matching is done by computer from user profile matrix (30 x 10)
on input, for SDI, or from search query profile on total magnetic tape store for retrieval.

D.   **MECHANISATION BASIS**

<u>Media used for total record:</u>   Computer magnetic tape, Other computer storage, interchangeable, e.g. discs,
                               Other computer storage, system-bound, e.g. core

<u>Media used for the search record:</u> Computer magnetic tape, Other computer storage, interchangeable, e.g. discs,
                               Other computer storage, system-bound, e.g. core

<u>Computer based:</u>   English Electric (I.C.L.)   KDF-9

<u>Configuration:</u>   KDF-9; 32K; 8; 1;   Card reader, paper tape reader; line printer; paper tape punch.

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:</u> 32K core, two magnetic tape units, disc unit, line printer

<u>Reprographic methods used to distribute the output of the system:</u> Line printer output only

---

E.   **OUTPUT TO USER**

<u>Output options available:</u>   Periodic titles abstracts

<u>Machine-readable format in which output is available:</u>

F.   **USAGE INFORMATION**

<u>Availability of the system:</u>

<u>Charge basis to users:</u>   £45. per user profile

<u>Estimate of input of citations:</u>   30-40 per day

<u>Estimate of output of citations:</u> 100 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**
                 Increase author storage facility (at present limited to two)

REFERENCES

-ASLIB Proceedings Vol. 20 No. 1 p.40 Jan 1968

-Information Storage and Retrieval Vol. 4, p.181 (1969)

Name of system:	ARGONNE CODE CENTRE
Official Abbreviation:	ACC
Address:	Argonne National Laboratory, 9100 S. Cass Avenue, Argonne, Il
Telephone:	AREA 312 739 - 7711 x - 4366
Telex:	25 - 4676
Cable Address:	
Sponsor or controlling body:	USAEC
Approximate total staff:	3
Approximate annual budget:	$100,000
Date of first operation:	1960

A.   **AREA AND PURPOSE OF SYSTEM**

Area covered: Primarily nuclear physics, reactor physics, reactor engineering and operation

Purpose of the System: Central agency for information on and collection of computer programmes

Kind of co-operation with other information systems: European counterpart is ENEA computer programme library

B.   **INFORMATION INPUTS**

(i)   Sources   Coverage   Language

Technical reports   Extensive*   English only

* Computer programmes and related documents and reference material

(ii) Digested information from other systems:

C.   **RECORD CONTENT**

	A*	B*	C*
Authors			
Source			
Title i.e. original title			
Abstract originated at source	X		
Abstract originated by system	X		
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X		
Keywords, descriptors, terms	X		
Full text	X		

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:

Content:

D. ## MECHANISATION BASIS

Media used for total record: 80 column cards, computer magnetic tape, other computer storage, interchangeable e.g. discs, other computer storage, system-bound e.g. core

Media used for the search record: Computer magnetic tape, other computer storage, interchangeable e.g. discs other computer storage, system-bound e.g. core.

Computer based

Configuration: IBM 360/50 and /75
CDC 3600
IBM 1401

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

E. ## OUTPUT TO USER

Output options available: Source and object decks, sample problem input and output information via magnetic tape or cards; associated documentation in printed 8½" x 11" form. Programme packages vary from a few hundred to tens of thousands records

Machine-readable format in which output is available: All non-traditional output (i.e. programme packages) are machine readable.

F. ## USAGE INFORMATION

Availability of the system: System is available to individuals as well as documentation services and libraries, the individual request being made to cooperating installations (e.g. AEC - contractors, national laboratories, universities

Charge basis to users: USAEC funded

Estimate of input of citations: N/A

Estimate of output of citations: N/A   Distribute 900 packages a year, acquire and assimilate 40-50 a year

G. ## RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Compiled by OECD

Name of system: NATIONAL INFORMATION SYSTEM FOR PHYSICS & ASTRONOMY

Official Abbreviation:	NISPA

Address:	American Institute of Physics, Information Division,
	335 E. 45 Street, New York, N.Y. 10017 USA
Telephone:	212-685-1940
Telex:	
Cable Address:	

Sponsor or controlling body:	American Institute of Physics with the aid of National Science Foundation grants

Approximate total staff:	50
Approximate annual budget:	$1,200,000
Date of first operation:	1970

A. **AREA AND PURPOSE OF SYSTEM**

Area covered: All areas of physics and astronomy as reported in primary journal literature

Purpose of the System: Magnetic tape service based on primary journal literature. Printed current awareness service. Preparation of material for computer-assisted photo-composition for portions of AIP journals. Later services include individual retrospective searches on demand; remote

Kind of co-operation with other information systems: /access to central information store.
Extensive collaboration with other major information systems to insure and improve compatability of computer tape format & coverage.

B. **INFORMATION INPUTS**

(i) | Sources | Coverage | Language |
|---|---|---|
| Primary journal articles | Extensive | National language only |

(ii) **Digested information from other systems:** Negotiations are underway for exchange of computer-readable tapes of bibliographic information, including abstracts, with other systems.

C. **RECORD CONTENT**

	A*	B*	C*
Authors	X	O	S
Source	X	M	S
Title i.e. original title	X	O	A
Abstract originated at source	X	O	A
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	S
Keywords, descriptors, terms	X	O	A
Full text	X	O	A

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: Hierarchical list of terms, which can be more than one word treated as an entity or "bound term", developed by system staff; these terms are also used as display or subject headings in printouts such as current awareness journals (Current Physics Titles), bibliography series, etc.

Uncontrolled, free language, keywords taken from abstract are appended to terms from classification list to increase specificity.

D.
MECHANISATION BASIS

Media used for total record: Computer magnetic tape, discs, cores

Media used for the search record: Computer magnetic tape, discs, cores. Remote terminals (by system
staff only)
Computer based:

Configuration: IBM 360 system on compatible configurations

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: Several systems for different size computers available

Reprographic methods used to distribute the output of the system: Computer-aided photocomposition, using
RCA Videocomp 830, of current awareness journal.
Current Physics Titles: Copies of current input as computer-readable magnetic tape now available
to pilor user group.   Available as production service, 1971 - microcopy of input to be made available
in later stage of the system.

E.
OUTPUT TO USER

Output options available: Current Physics Titles - new current awareness journal. Available on
subscription, 1971. Early production to be in a combined edition reporting total monthly current
input.   Later, journal to be offered in subdisciplinary subject sections, such as Solid State,
Nuclear Physics, Particles and Fields, etc.

SPIN - Searchable Physics Information Notices - A magnetic tape copy of current input
cumulative indexes for journals published by AIP produced.

Machine-readable format in which output is available: Abstracts part of unit record, available as part
of search printout and in bibliographic series to be issued in 1971.

F.
USAGE INFORMATION

Availability of the system: Outputs such as SPIN tapes, CPT journal, etc. available from system.
Tapes are supplied to information centres and others serving regional areas or the public in general.

Charge basis to users: To be announced

Estimate of input of citations: 100-200 per day

Estimate of output of citations: 2,000-2,500 per month

G.
RECENT OR PLANNED DEVELOPMENTS
- Current Physics Titles
- SPIN
- Computer-aided photocomposition of indexes to journal. published by AIP

REFERENCES

Name of system:	ELDOK
Official Abbreviation:	ELDOK
Address:	Onsgaardsvoj 1, 2930 Hellerup, Denmark
Telephone:	Denmark (01) 43 8355
Telex:	
Cable Address:	
Sponsor or controlling body:	
Approximate total staff:	5
Approximate annual budget:	Danish kr.400,000.
Date of first operation:	April 1966

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Documents on electronics (Periodicals, Patents, etc.)

Purpose of the System: Retrospective searching for patent work and for product development in electronic factories which are members of the Society: Eldok, Electronic Documentation and Patent Association

Kind of co-operation with other information systems: None

B.   INFORMATION INPUTS

(i)	Sources	Coverage	Language
	Books including bibliographies	Selected material	Several languages
	Journals including abstract journals	" "	" "
	Technical reports	" "	" "
	General printed matter	" "	" "
	Manuscripts	" "	" "
	Patents (Danish, Norwegian, French, Russian)	"	" "
(ii)	Digested information from other systems:	None	

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source			
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords. descriptors, terms	X		S
Document Access Number	X	M	

```
* A:   X = the item is present in the record
* B:   M = the item is mandatory for output
       O = the item is optional for output
* C:   S = the item is used for search
       A = the item is available for search
```
                                Underlined keywords from text in document are found in a Thesaurus with code

Classification basis used: numbers for each keyword.   Numbers with unit and descriptor for what it counts may also be stored.   Less than and Logic AND, OR and NOT may be used in questions.

D. <div style="text-align:center">**MECHANISATION BASIS**</div>

<u>Media used for total reoord</u>:   Computer magnetic tape

<u>Media used for the searoh record</u>:   Computer magnetic tape

<u>Computer based</u>:

<u>Configuration</u>:   CDC 1604, 32.000 words of 48 bits, 8 tape units

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere</u>:   7 tape units

<u>Reprographic methods used to distribute the output of the system</u>:   Xerox copies from manual found cards the access numbers of which are ordered by the computer

---

E. <div style="text-align:center">**OUTPUT TO USER**</div>

<u>Output options available</u>: In a single run any number of new documents may be stored and any number of questions asked. A question may have up to 256 descriptors including numbers

<u>Machine-readable format in which output is available</u>:   Yes if wanted as magnetic tape or paper tape but print-out is used

---

F. <div style="text-align:center">**USAGE INFORMATION**</div>

<u>Availability of the system</u>: Requests may be sent to Regnecentralen A/S, Falkoneeralle 1, DK 2000 Kopenhagen, Denmark

<u>Charge basis to users</u>: Free to members of the Eldoc Association. The service bureau Regnecentralen charge 1.00 Danish krone per document stored + 0.50 D. kr. per que. on asked = 0.35 per answer written out + D.kr. 50. –per run + a minor sum if the file is larger than 5,000 documents (at present 10,000 documents are stored)

<u>Estimate of input of citations</u>:   2,000 per year

<u>Estimate of output of citations</u>: 1 per week

G. <div style="text-align:center">**RECENT OR PLANNED DEVELOPMENTS**</div>

<div style="text-align:center">Special order of descriptors may be demanded so that distinction may be made between "Dog bites Postman" and "Postman bites Dog"</div>

<div style="text-align:center">REFERENCES</div>

Name of system:	ISKRA - ZAVOD ZA AVTOMATIZACIJO
Official Abbreviation:	ISKRA - ZZA
Address:	Ljubijana, Trzaska c. 2, Yugoslavia
Telephone:	20 341
Telex:	31265 YU ZAVTOM
Cable Address:	

Sponsor or controlling body:	ISKRA

Approximate total staff:	12
Approximate annual budget:	$64,000.
Date of first opsration:	1951

A.
<center>AREA AND PURPOSE OF SYSTEM</center>

Area covered: Automation, instrumentation, electronics, telecommunications, Components

Purpose of the System: Information and documentation service for the United Enterprise ISKRA

Kind of co-operation with other information systems:

B.
<center>INFORMATION INPUTS</center>

(i)

Sources	Coverage	Language
Books including bibliographies	Selected material	Several languages
Journals including abstract journals	" "	" "
Technical reports		" "
General printed matter	" "	"! "

(ii) Digested information from other systems: Abstracts journals (16 titles), bibliographies, reference cards (4)

C.
<center>RECORD CONTENT</center>

	A*	B*	C*
Authors	X	O	S
Source	X	O	S
Title i.e. original title	X		S
Abstract originated at source			
Abstract originated by system	X	O	S
U.D.C. or similar "universal" code	X	O	S
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X		S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: System SAIDC (System for Automation of Information Documentation Centres) was developed by INSKA in July 1970. The system is based on the descriptors, taken from the thesaurus, which is specific to ISKRA. Thesaurus is in native language (Slavic) SAIDC can translate if a dictionary of descriptors is inserted in the computer

D.   MECHANISATION BASIS

    Media used for total record: 80-column cards - Computer magnetic tape

    Media used for the search record: 80-column cards - Computer magnetic tape

    Computer based:

    Configuration: CDC 3300, 32 K words, 4 tapes, 2 disc units, line printer, card reader punch,
                paper tape reader punch

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere: 32K   6(a)

    Reprographic methods used to distribute the output of the system: Xerox copies

E.   OUTPUT TO 1

    Output options available: List of selected second documents with: author, title, source, abstract
                    in the form of a short annotation with descriptors

    Machine-readable format in which output is available:

F.   USAGE INFORMATION
    Availability of the system: Available to individuals by telephone or by writing

    Charge basis to users:

    Estimate of input of citations: cca 20 per day

    Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                                      REFERENCES

Name of system:	SYSTEME ELECTRONIQUE DE SELECTION AUTOMATIQUE DE MICROFILMS

Official Abbreviation:	SESAME

Address:	rue des Drapiers 21, Brusolles, Belgium

Telephone:	(02) 11 23 70
Telex:	12/21.078
Cable Address:	

Sponsor or controlling body:	Centre de Recherches Scientifiques et Techniques

Approximate total staff:	4
Approximate annual budget:	2 million Belgian francs
Date of first operation:	1971

A.   AREA AND PURPOSE OF SYSTEM

Area covered: At present: Automation;   in the near future: Mechanics, metallic construction, welding

Purpose of the System: Information retrieval

Kind of co-operation with other information systems: Exchange

B.   INFORMATION INPUTS

(i) | Sources | Coverage | Language |
|---|---|---|
| Books, including bibliographies | Selective | Several languages |
| Journals, including abstract journals | " | "   " |
| Technical reports | " | "   " |
| General printed matters | " | "   " |

(ii) **Digested information from other systems:**   Abstracts and bibliographical references of works, reports, patents, thesis, etc.

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source	X	O	
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Documentation language based on concepts being represented by:
Classification basis used: 1. Alphabetical list of all descriptors (key-words) and semantic relations
                                                                                    (thesaurus).
                  2. Arrow diagrams

D.   MECHANISATION BASIS

Media used for total record: Interchangeable computer storage: discs

Media used for the search record: Interchangeable computer storage: discs

Computer based: 1 C.I.I. 10010 mini-computer

Configuration: 1 disc double unit NCR EM-S1
                                 1 teletype ASR 33
                                 1 microfilm selector and reader SAIT SCC

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: 1 computer having 8 K octets core
                                 1 removable disc unit
                                 1 microfilm reader
Reprographic methods used to distribute the output of the system: Photocopies

E.   OUTPUT TO USER

Output options available: Lists of bibliographic references: title, author, journal
                              Photocopy of comprehensive abstract

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: Only through libraries and documentation services

Charge basis to users: some 1,500 Belgian francs per search

Estimate of input of citations: 10,000 p.7 (1970); 25,000 p.7 (1971)

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                                      REFERENCES

        E. PEETERS: "Documentation automatisée et régulation"
                       CRIF EL1, August 1969

                                                          Compiled by ECE

X.

SCIENCE, TECHNOLOGY (GENERAL)

SCIENCE ET TECHNOLOGIE (GENERAL)

Name of system: NATIONAL TECHNICAL INFORMATION SERVICE (formerly Clearinghouse for Federal Scientific and Technical Information CFSM)

Official Abbreviation: NTIS (National Technical Information Service, formerly Clearinghouse for Federal Scientific and Technical Information CFSM)

Address: 5285 Port Royal Road,
                Springfield, Va 22151

Telephone: (703) 321-8523

Telex:

Cable Address:

Sponsor or controlling body: Dept. of Commerce

Approximate total staff: 325

Approximate annual budget: $5-6 million

Date of first operation: 1945 (as: Office of Technical Services)

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Government-generated United States and foreign unclassified scientific and technical
               publications and U.S. Dept. of Commerce Publications

Purpose of the System: To acquire, accession, reproduce, announce and market the above publications

Kind of co-operation with other information systems: Not applicable

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
     Major sources include:
        National Aeronautics & Space Administration
        U.S. Atomic Energy Commission   Unclassified,   English
        Dept. of Defense   unlimited
        U.S. Dept. of Commerce   documentation
        Joint Publications Research Service
(ii) Digested information from other systems:

             Not applicable

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source	X	M	A
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text		M	A

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D. **MECHANISATION BASIS**

Media used for total record: Magnetic tape

Media used for the search record: Microfilm Index (16 mm); abstract microfiche

Computer based: Being currently tested and evaluated

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:
United States Government Research and Development Reports 2nd Indexes and Subjournals (Clearinghouse Announcements in Science and Technology; Fast Announcement Service); Selective Dissemination of Microfiche

E. **OUTPUT TO USER**

Output options available:

Search results; printouts from microfilm index

Machine-readable format in which output is available:
Magnetic tapes of announcement journals are available

F. **USAGE INFORMATION**

Availability of the system: to the public

Charge basis to users: Searches free at present, fee searches will be instigated upon acquisition of a mechanised system. Documentation is sold on a prepayment basis

Estimate of input of citations: 40,000 per year

Estimate of output of citations: Documentation distribution 2½ million/year

G. **RECENT OR PLANNED DEVELOPMENTS**
Fee searches on a mechanised basis

REFERENCES

Name of system: NATIONAL REFERRAL CENTER

Official Abbreviation:

Address: Library of Congress, Science and Technology Division, 10 First Street S.E., Washington, D.C. 20540

Telephone: (202) 426-5687

Telex: Not applicable (in U.S.A: TWX 710-822-0185)

Cable Address: LIBCON

Sponsor or controlling body: Library of Congress

Approximate total staff: 15

Approximate annual budget:

Date of first operation: 1963

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Science and technology, including the social sciences

Purpose of the System: To refer inquirers to organizations (or occasionally to individuals) that are able and willing to provide answers. A subject-indexed inventory of such organizations is maintained for this purpose.

Kind of co-operation with other information systems: All major U.S. information systems are carried in the inventory and inquirers are referred to them when appropriate. Cooperative arrangements exist with Science Information Exchange and with National Technical Information Service (formerly Clearinghouse for Federal Scientific and Technical Information).

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
A questionnaire completed by the organizations carried in the inventory. Leads are obtained from directories, newspapers, journals, and word-of-mouth.	Selective	English

(ii) Digested information from other systems:

Not applicable

C.   RECORD CONTENT

	A*	B*	C*
Authors Not applicable			
Source	X	M	
Title i.e. original title Not applicable			
Abstract originated at source	X	O	
Abstract originated by system	X	O	
U.D.C. or similar "universal" code COSATI Fields and Groups (see Refs)	X	O	A
Classification code common to area covered Not applicable			
Classification code peculiar to system Geographic code	X	O	A
Keywords, descriptors, terms Thesaurus of Engineering and Scientific Terms	X	O	A
Full text	X	O	

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:
COSATI Subject Category List (see REFERENCES below); TEST thesaurus (see REFERENCES below)

D.   **MECHANISATION BASIS**

Media used for total record: Two magnetic tape files: (1) a search file, and (2) a photocomposition file. These are scheduled to be combined into a single, searchable file.

Media used for the search record: Computer-produced reference aids, used manually (5x8 card file and a subject index print-out); magnetic tapes (occasional use).

Computer based   Yes

Configuration: IBM 360-40 with tape drives, printer. Also has discs and ATS remote terminals, but these are not presently used by National Referral Center.

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Replication not presently under consideration

Reprographic methods used to distribute the output of the system:

Linotron photocomposer (at U.S. Government Printing Office) for formal publications. Occasionally use Xerox 914 copier.

E.   **OUTPUT TO USER**

Output options available: Names, addresses, and phone numbers of organizations or individuals able to provide answers to submitted questions; information about any restrictions or limits on service imposed by organization; data about size and nature of holdings, special facilities, etc.

Transmitted to requester by telephone, letter, computer print-out, and--in a general sense--through photocomposed directories

Machine-readable format in which output is available: None directly available to users. Photocomposition file format is a special adaptation of the MARC II format.

F.   **USAGE INFORMATION**

Availability of the system: Any serious investigator

Charge basis to users: None

Estimate of input of citations: Data on some 8,000 organizations maintained on a current basis.

Estimate of output of citations: Published directories (about two per year) carry some 2 - 3,000 entries each. Replies to individual inquiries (about 2500 per year) typically carry 1 - 10 entries.

G.   **RECENT OR PLANNED DEVELOPMENTS**

Publication of a revised directory covering the physical sciences and engineering (will be the first photocomposed publication). Possibly a computer text-search capability, and magnetic-tape-to-microfilm output.

REFERENCES

About the system: "Computer applications in the Library of Congress Science and Technology Division" by Charles E. McCabe, Proceedings of the American Society for Information Science, Vol. 6, 1969.

"National Referral Center for Science and Technology" (Information Center Profile), Scientific Information Notes, Vol. 1, No. 4, July-August 1969. (Science Associates/International, Inc.)

Products of the system: A Directory of Information Resources in the United States: Physical Sciences, Biological Sciences, Engineering (1965); Social Sciences (1965); Water (1966); Federal Government (1967); General Toxicology (1969); Physical Sciences, Engineering (in press, 1970); Biological Sciences (in preparation, 1971)

Reference tools used: Office of Naval Research (Project LEX)/Engineers Joint Council, Thesaurus of Engineering and Scientific Terms [Washington] 1967.

Committee on Scientific and Technical Information, Federal Council for Science and Technology, COSATI Subject Category List, Office of Science and Technology, Executive Office of the President [Washington] 1964.

<u>Name of System</u>: BULLETIN SIGNALETIQUE

<u>Official Abbreviation</u>: _

<u>Address</u>: 15, quai Anatole France, Paris VII (France)

<u>Telephone</u>: 555.26.70

<u>Telex</u>: 26034 Paris

<u>Cable Address</u>: CNRS

<u>Sponsor or controlling body</u>: Centre National de la Recherche Scientifique (CNRS)

<u>Approximate total staff</u>: 450

<u>Approximate annual budget</u>: _

<u>Date of first operation</u>: 1940

A.   AREA AND PURPOSE OF SYSTEM

<u>Area covered</u>: All scientific and technical fields

<u>Purpose of the System</u>: Public service of scientific and technical information and documentation

<u>Kind of co-operation with other information systems</u>: At the national level: agreements with the specialised centres or scientific co-operation and co-ordination; at the international level, participation in EEC systems, member to ICSU-AB, ISO TC 46

B.   INFORMATION INPUTS

(i) <u>Sources</u>	<u>Coverage</u>	<u>Language</u>
Books including bibliographies	Partial	Several
Journals including abstract journals	Extensive	Several
Technical reports	Selective	Several
Manuscripts	Partial	French

(ii) <u>Digested information from other systems</u>:

Exchange of documents with foreign countries

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	A
Abstract originated at source	X	M	.
Abstract originated by system	X	M	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

<u>Classification basis used</u>: Systematic subject index

D.   MECHANISATION BASIS

<u>Media used for total record</u>: Visible records, discs

<u>Media used for the search record</u>: Computor magnetic tape, discs

Computer based   Input and data processing in Siemens 4004.35 and IBM 360.30

<u>Configuration</u>:

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere</u>:

<u>Reprographic methods used to distribute the output of the system</u>:   Offset

E.   OUTPUT TO USER

<u>Output options available</u>:   Printed bulletins, Bristol cards
                                 Phototypesetting
                                 Microprint in project

<u>Machine-readable format in which output is available</u>: Magnotic tapes

F.   USAGE INFORMATION

<u>Availability of the system</u>:   Open to all

<u>Charge basis to users</u>:   Under study

<u>Estimate of input of citations</u>:   2,000 - 3,000 per day

<u>Estimate of output of citations</u>:   Estimation difficult

G.   RECENT OR PLANNED DEVELOPMENTS

Total computerisation of the system at present time under way

REFERENCES

Name of system: INFORMATION RETRIEVAL SERVICE AT FOA

Official Abbreviation: FOA Index

Address: S - 104 50 Stookholm 80, Sweden

Telephone: 08/63 15 00

Telex:

Cable Address:

Sponsor or controlling body: Research Institute of Swedish National Defence (Abbreviated FOA)

Approximate total staff: Total staff of FOA Index: 6 persons (including research activities)

Approximate annual budget: 300,000 Swedish Crowns.

Date of first operation:As to engineering index CITE Electrical and Electronics tapes, complete tapes
for 1967-1969: service from these tapes begun on a small scale in Oct, 1967.

A.   AREA AND PURPOSE OF SYSTEM

Area covered: This is not in the first place a service centre but a research group, collaborating with the
Swedish Defence and other selected Swedish institutions for handling files from various fields on an
experimental basis.
Purpose of the System:The purpose of the experimental service is on the first hand to provide the Swedish
National Defence and connected institutions with references to scientific and technical information from
international and internal files and to evaluate and improve methods, programs and organisation for such a
service.
Kind of co-operation with other information systems: Engineering Index CITE Electronic and Electrical files
are handled, but also different files from various scientific and technical fields.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
Journals including abstract journals   Extensive   Several languages
Technical reports   Selected material   National language only

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	O	S
Title i.e. original title	X	O	S
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered	X	O	S
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	S

Full text The program can handle full text, but full text is seldom included in the records

* A: X = the item is present in the record # Categories or subject headings: These data constitute an
* B: M = the item is mandatory for output   example, namely the converted version of Engineering Index CITE
      O = the item is optional for output   Tapes. The program system CORSAIR can handle several other
* C: S = the item is used for search   combinations and it is used for searches and various indexes.
      A = the item is available for search

Classification basis used:

For engineering index tapes: The Engineering Index thesaurus with current frequencies.

For reports: NASA and TEST thesauri

For the International Road Research Documentation: Their "Arrow-diagram" system terms and categories.

For various purposes: Internal keyword - and category lists.

D.   **MECHANISATION BASIS**

Media used for total record: Computer magnetic tape

Media used for the search record: 80 column cards, computer magnetic tape

Computer based

Configuration: IBM 7090 (until about December 1970)10 tape units (three available for programming) IBM 360/75 4 tape units. 8 disc units in one common unit 2314. One drum.

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: Most of the above mentioned, because of the size of the program and the large files handled.

Reprographic methods used to distribute the output of the system: At present, partly carbon copies, partly offset masters from the computer, partly original and photo copies.

E.   **OUTPUT TO USER**

Output options available: At present: Computer printout (with facilities for carbon copies and offset masters).   Retrospective search.

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system: Available mainly for Swedish Defence but special agreements can be made for experimental collaboration

Charge basis to users: According to individual agreement.

Estimate of input of citations:

Estimate of output of citations:

G.   **RECENT OR PLANNED DEVELOPMENTS**

Depending on the experiences from present service

REFERENCES

Compiled by OECD

Name of system:	SCIENCE CITATION INDEX/PERMUTERM SUBJECT INDEX/AUTOMATIC SUBJECT CITATION ALERT IV
Official Abbreviation:	SCI/PSI/ASCA IV
Address:	325 Chestnut Street, Philadelphia, Pennsylvania 19106, U.S.A.
Telephone:	215/923 - 3300
Telex:	84-5305
Cable Address:	SCINFO

Sponsor or controlling body:	Institute for Scientific Information (ISI)

Approximate total staff:	50
Approximate annual budget:	
Date of first operation:	1961

A.
AREA AND PURPOSE OF SYSTEM

Area covered: Science, Technology

Purpose of the System: To enable the user to trace new applications and improvements of theories, methods, instruments, chemicals, etc.; to prepare historical introductions to scientific papers, critical reviews and books; to facilitate feedback in the communication cycle, etc.

Source Index and Tapes: To identify all papers published by a given author in the current year indexed in 1,700 journals

Citation Index and Tapes: To find citations on any work from source items in 1,700 journals in period indexed

B.
INFORMATION INPUTS

(i)
Sources	Coverage	Language
Books, including bibliographies	Extensive	Several languages
Journals, including abstract journals	Extensive	" "
Technical reports	Selected material	" "
General printed matter	Selected material	" "

(ii) Digested information from other systems:

C.
RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification basis used:
90 major subject categories

D.   MECHANISATION BASIS

Media used for total record: Computer magnetic tape

Media used for the search record: "   "   "

Computer based:

Configuration: IBM 360/30   . 7 or 9 channel tape, 556/800 bpi

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: as above

Reprographic methods used to distribute the output of the system: Computer printer

E.   OUTPUT TO USER

Output options available: Source Index Stages: Alphabetically arranged author index with titles and all bibliographic data on all items and all issues of 1,700 journals. All titles translated.
Printed: quarterly; cumulated yearly.
Tape: weekly, 5,500 items per week.

                           Citation Index and   Directory of cited references arranged by First Author,
                           Stages: listing source documents. Any reference cited in articles in 1,700 journals listed (20,000 cited journals).

                           ASCA IV: Tape Demand Search Service, ISI Search Service

Machine-readable format in which output is available: Magnetic tape, 7-9 tracks, 556/800 bpi

F.   USAGE INFORMATION

Availability of the system: Printed source and citation indexes: $1,250 year
                                Tape: $20,000-32,000 year
Charge basis to users: ASCA III: Cost depends on number and type of profile entered (minimum: $100 year)
                                Permuterm subject index: $700/year (7 volumes)

Estimate of input of citations: 5,500 weekly

Estimate of output of citations: 65,000 weekly

G.   RECENT OR PLANNED DEVELOPMENTS

                                   REFERENCES

                                                                    Compiled by OECD

Name of system:	SOKRATUS

Official Abbreviation:	SOKRATUS	(designation contains the first letters of the most important functions of the system and it is decipherable in Czech as well as in English)

Address:	State Library of ČSR, Praha 1, Klementinum 190, Czechoslovakia

Telephone:	23 45 45 - 49

Telex:	sk cesr 0116

Cable Address:	

Sponsor or controlling body:	Ministry of Culture of CSR

Approximate total staff:	planned for the first stage of full-scale operation (which may start in 1975) - ca. 16-18
Approximate annual budget:	for the developmental stages ca. 500.000 Kcs/year (average value)
Date of first operation:	scheduled for 1973

A. AREA AND PURPOSE OF SYSTEM

Area covered: The SOKRATUS system is envisaged to operate for the whole network of scientific and special libraries, for which it should in the first stage of operation procure the whole purchased hard currency literature. In its second stage the system should keep central records and perform central cataloging of literature obtained from extra-market sources (especially the exchange).

Purpose of the System: The principal idea of the project is to establish a central data base performing acquisition and central cataloging, yielding information on the location of the documents acquired (union catalogue of scientific literature), rendering reference service and providing for library statistics and record keeping.

Kind of co-operation with other information systems: The system will be open for active as well as passive co-operation of any level. The co-operation with the MARC II - format systems is preferred

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	" "
Technical reports	"	" "
General printed matter	Selected material	" "
Manuscripts	" "	" "

(ii) **Digested information from other systems:** Published national bibliographies and other acquisition aids. In further development stages MARC II - format (BNB London, LC Washington and other future sources)

C. RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	A
Title i.e. original title	X	M	S
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code	X	M	S
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: UDC at optimal level of generality

D.   MECHANISATION BASIS

<u>Media used for total record</u>:   Computer magnetic tape - Other computer storage, interchangeable, e.g.
                                                                                           discs
<u>Media used for the search record</u>: Other computer storage, interchangeable, e.g. discs

<u>Computer based</u>:

<u>Configuration</u>:

<u>Reprographic methods used to distribute the output of the system</u>: <u>Printing machine</u> working in either on-line
      or off-line regime (according to task performed); punched or magnetic tape controlled <u>typewriters</u>
      for special purposes <u>integrated offset printer</u> using paper masters.

      If possible, the described output chain should be replaced by the <u>microphotoprinter KOM-90</u> (Kodak),
      or by similar device, with a <u>continual Xerox (or electrostatic) printer</u>

      If economically acceptable, the libraries should be equipped with <u>communication terminals</u>, connected
      to the system via telex or telephone lines; in such cases, the libraries should duplicate the
      SOKRATUS output partly on their own equipment.

E.   <u>OUTPUT TO USER</u>

<u>Output options available</u>:   Conventional catalogue cards   Additions to central union catalogue
                             *Bound catalogues   (on magnetic tape)
                              Catalogue records on paper tape   *Bibliographies of any arrangement desired
                              Catalogue records on magnetic tape   (in conventional or machine-readable form)
                              Additions to branch-specialised   Selective dissemination of information
                              union catalogues   (selective news service)
                                                                     Statistical information of various kinds
<u>Machine-readable format in which output is available</u>:   and levels

            MARC format   *<u>Outputs are</u> proposed for further stages of
                                                                     development

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F.   <u>USAGE INFORMATION</u>

<u>Availability of the system</u>:

<u>Charge basis to users</u>:   According to complexity and volume of services provided

<u>Estimate of input of citations</u>:

<u>Estimate of output of citations</u>:

G.   <u>RECENT OR PLANNED DEVELOPMENTS</u>

<u>REFERENCES</u>

Name of the system: CZECHOSLOVAK SYSTEM OF SCIENTIFIC, TECHNICAL AND ECONOMIC INFORMATION

Official Abbreviation: VTEI

Address: The Centre of Scientific, Technical and Economic Information, Praha 1, Konviktská, 5
Federal Committee for Technological and Investment Development, Praha 2, Vinohrady, Slezská 9

Telephone: 233351

Telex:

Cable Address:

Sponsor or controlling body:

Approximate total staff: approx. 7,500

Approximate annual budget: approx. 350 mil. Crowns

Date of first operation:

A. AREA AND PURPOSE OF SYSTEM

Area covered: Scientific, technical and economic information processed and disseminated through about 300 branch and specialized STEI centres, CSAV and SAV institutes and State Scientific Libraries

Purpose of the System: To ensure proper amount of information for information users of various types and levels.

Kind of co-operation with other information systems: Above all cooperation in the form of mutual exchange of information

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B. INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Selected	Several languages
Journals including abstract journals	"	"
Technical reports	"	"
General printed matter	"	"
Manuscripts	partial	"

(ii) Digested information from other systems:

The selection of information, in particular information centers, is determined by their branch coverage and the same aspect is applied for the exchange with the other information systems.

C. RECORD CONTENT

	A*	B*	C*
Authors	X		S
Source	X		S
Title i.e. original title	X		A
Abstract originated at source			
Abstract originated by system	X		A
U.D.C. or similar "universal" code	X		S
Classification code common to area covered		O	S
Classification code peculiar to system		O	S
Keywords, descriptors, terms		O	S
Full text		O	A

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:
All STEI centres are using UDC and most of them prepare documentary entries with annotations.
Centres utilising computers use descriptors of keywords, scientific uniterms and subject words.
In order to unify the describing procedures methodical instructions and standards are used.

D. <u>MECHANISATION BASIS</u>

<u>Media used for total record</u>: Visible records, Other punched cards, including edge punched or coincidence cards, Computer magnetic tape

<u>Media used for the search record</u>: visible records, other punched cards, including edge-punched or coincidence cards, computer magnetic tape

Computer based Minsk 2   ICT 1900   IBM 1410, 360, 40   DATASAAB 21, 22   ICL 4

<u>Configuration</u>:   is changing

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere</u>:

<u>Reprographic methods used to distribute the output of the system</u>:

All computers are used for STEI systems only partially. Direct computer output is used for SDI services or for routine activities of information centre (1 up to 3 copies are sufficient). The phototransfer and offset printing is also used for indexing services. In isolated cases ormig papers and ormig duplicating methods are used as output means.

E. <u>OUTPUT TO USER</u>

<u>Output options available</u>:

<u>Machine-readable format in which output is available</u>:

F. <u>USAGE INFORMATION</u>

<u>Availability of the system</u>: Both through documentation services and through libraries.

<u>Charge basis to users</u>:

<u>Estimate of input of citations</u>:   approx 1000 citations per day

<u>Estimate of output of citations</u>:   approx. 25 000 of information are disseminated per day

<u>RECENT OR PLANNED DEVELOPMENTS</u>

The development of Czechoslovak STEI System is formulated in the State Information Policy Programme for the years 1971-75 which is intended to provide basic prerequisites for creation of uniform Czechoslovak Information System, reasonably automated and inter-linkable both with other interstate information circles and on international scale as well, in order to become gradually qualified to participate in exchange of information in machine-readible form.

Compiled by ECE

Name of System: CENTRE NATIONAL DE DOCUMENTATION SCIENTIFIQUE ET TECHNIQUE

Official Abbreviation: CNDST

Address: Bibliothèque Royale Albert I, Boulevard de l'Empereur, Bruxelles (Belgium)

Telephone: 02/13 61 80

Telex: 21157

Cable Address:

Sponsor or controlling body: Bibliothèque Royale

Approximate total staff: 50

Approximate annual budget: 50 million Belgian francs

Date of first operation: 1964

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Science and Technology

Purpose of the System: Bibliographic search; study of computerised information; translation centre; drafting of scientific concepts, etc.

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Extensive	Several
Journals including abstracts	Extensive	Several
Technical reports	Extensive	Several

(ii) **Digested information from other systems:** Secondary sources (analytical bulletins, indexes, bands,computers)

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source	X	M	S
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Thesaurus (E.J.C. and others)

D.   MECHANISATION BASIS

Media used for total record: Visible records, 80-column cards, computer magnetic tape, discs, cores

Media used for the search record: 80-column cards, computer magnetic tape, discs, cores

Computer based   IBM 360/40

Configuration: 4 bar units, 2 disc units

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: 4 bar units, 2 disc units

Reprographic methods used to distribute the output of the system: offset, microfilm, microfiche, xerography

E.   OUTPUT TO USER

Output options available: Offset, microfilm, microfiche, xerography

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system:

Charge basis to users: Bibliographical search: manual, no charge; Computer search: cost price

Estimate of input of citations:

Estimate of output of citations: 30 bibliographies per month

G.   RECENT OR PLANNED DEVELOPMENTS
                Co-operation with other centres, mainly in the computerisation field

REFERENCES

Compiled by ECE

Name of system:	TURKISH SCIENTIFIC AND TECHNICAL DOCUMENTATION CENTRE

Official Abbreviation:	TÜRDOK

Address:	Ankara, Bayindir Sokak 33, Yenişehir, Turkey

Telephone:	18 31 55/25
Telex:	TÜBITAK (TÜRDOK)
Cable Address:	

Sponsor or controlling body:	The Scientific and Technical Research Council of Turkey

Approximate total staff:	18
Approximate annual budget:	1,200,000 TL (= approx. $120,000)
Date of first operation:	July 1967

A.
AREA AND PURPOSE OF SYSTEM

Area covered:	All disciplines of pure and applied sciences; applied economics

Purpose of the System: Purpose of the system is to provide all sorts of documentation services, on nation-wide, to scientists and industry; and to play an active role in establishing and promoting information science and technology in the country

Kind of co-operation with other information systems: Exchange agreements - Photocopy supply - Bibliographical compilations - Referral services

B.
INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Partial	Several languages
Journals including abstract journals	Extensive	" "
Technical reports	Partial	" "
General printed matter	Partial	" "

(ii) **Digested information from other systems:** Selective dissemination of information from the Scottish Documentation Centre on exchange basis

C.
RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source			
Abstract originated by system	X	M	A
U.D.C. or similar "universal" code	X	M	A
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: U.D.C. is used for the classification of books on an exhaustive basis. "Keywords" are assigned to the articles, papers, reports, etc., more specifically, the system is carried out with a view so as to allow easy mechanisation, when necessary.

D.   MECHANISATION BASIS

Media used for total record: Visible records

Media used for the search record: Visible records

Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system: Photo-copying – Micro-filming
                                                                    Micro-fiche making – Enlargement

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E.   OUTPUT TO USER

Output options available: 1. Bibliographical lists with or without abstracts.
                                2. SDI card service giving titles and bibliographical references only.
                                    (This is done on an experimental basis)
                                3. Publishing abstract bulletins, in all branches covered by the system,
                                    giving informative abstracts, in English, of the Turkish scientific
                                    and technical research papers. (Nine series each having 150 abstracts p.y.)

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system:

Charge basis to users: Paper photocopies: 1-6 pages: 10 TL ($1.-). Additional pages: 125 kr/page
                                                                      ($0.15/page)
                         Microfilms: 1-10 frames: 10 TL ($1.-) Additional frames: 50 kr/page
                                                                ($0.05)
                         Literature search: Searches covering a five-year period in
                                        Turkish and English   200 TL ($20.-)
                                        For every additional language within
                                        the same period   100 TL ($10.-)
                                        For every additional five-year period   50 TL ($5.-)

G.   Among the planned developments was the preparation of a translators' index
and the publication of an internal news bulletin can be mentioned. The other future
developments and services of the system will be planned according to the needs
and requests of industry and the individual scientists.

REFERENCES

Name of system:	LEARNING RESOURCES INFORMATION CENTER
Official Abbreviation:	LRIC
Address:	345 E. 47th Street, New York, N.Y. 10017
Telephone:	Area Code 212, PL 2-6800, Ext. 415
Telex:	
Cable Address:	
Sponsor or controlling body:	Engineers Joint Council
Approximate total staff:	Two (Frank Y Speight, Director)
Approximate annual budget:	$40,000
Date of first operation:	January 1969

A. AREA AND PURPOSE OF SYSTEM

Area covered: Primarily engineering and technical management but also includes chemistry, physics and applied science generally

Purpose of the System: To disseminate information on graduate level courses available in the U.S.A. and Canada.

Kind of co-operation with other information systems:

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
General printed matter Manuscripts - completed forms furnished by LRIC to education	Selected material	National language only
	Extensive	National language only

(ii) **Digested information from other systems:**

None

C. RECORD CONTENT

	A*	B*	C*	
Authors				
Source	X	X	X	
Title i.e. original title	X	X	X	* Simple letter
Abstract originated at source	X	X	X	code for type of course
Abstract originated by system				
U.D.C. or similar "universal" code				
Classification code common to area covered				
Classification code peculiar to system *	X	X	X	
Keywords, descriptors, terms	X	X	X	
Full text				

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: About 60 subject headings are used for the subject index. Each course listed contains a numerical identifying code with letter code identifying the type of course offering.

D.   MECHANISATION BASIS

    Media used for total record: Visible records

    Media used for the search record: "   "

    Computer based   Not presently computer based by expect to mechanise in about 12 months

    Configuration: Not applicable

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: Not applicable

Reprographic methods used to distribute the output of the system: Printing

E.   OUTPUT TO USER

    Output options available: Learning Resources Directory issued three times a year.

Machine-readable format in which output is available: Not at present

F.   USAGE INFORMATION

    Availability of the system: Available to individuals by subscription

    Charge basis to users: Subscription - $30 a year

    Estimate of input of citations:

    Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS
                                Computer system development

REFERENCES

Name of system:	CENTRE DE DOCUMENTATION DE L'ARMEMENT
Official Abbreviation:	CEDOCAR
Address:	4 Avenue de la Porte d'Issy, 75 Paris 15, France
Telephone:	532 75 00, Ext. 3837 (Secretariat Direction)
Telex:	
Cable Address:	

Sponsor or controlling body:	Ministère d'Etat chargé de la Défense Nationale

Approximate total staff:	360
Approximate annual budget:	F.F.5 million
Date of first operation:	Re-organised in 1962

A.   AREA AND PURPOSE OF SYSTEM

Area covered: All scientific, technical and economic disciplines of interest for national defence, among the 22 COSATI fields (U.S.A.).

Purpose of the System: To keep informed on scientific, technical and economic developments to the members of the French Ministerial Delegation for Armament, Headquarters, Administration and industries agreed by the Minister of State for National Defence. (Scientists, engineers, managers, professors, students, etc.)

Kind of co-operation with other information systems:
Exchange of documents or information; inclusion of entries in the Abstracts Bulletins

· B.   INFORMATION INPUTS

(i)	Sources	Coverage	Language
	Books, including bibliographies	Selective	Several languages
	Journals, including abstracts journals	Selective	" "
	Technical reports	Partial	" "
	Commercial notes	Partial	" "

(ii) **Digested information from other systems:**

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source	X	M	A
Abstract originated by system	X	M	A
U.D.C. or similar "universal" code			
Classification code common to area covered	X	M	S
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms			
Full text			.

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: COSATI (Lex version) for the system as a whole and for computer usage

D.   MECHANISATION BASTS

Media used for total record: Visible records, discs, cores

Media used for the search record: Discs, cores

Computer based :   IBM 360-30. Capacity: 64 K

Configuration: 4 disc units 2311; 1 core 2321-M1; 1 punched band reader (Friden 8 channels) 2671;
                 Card reader TTS 3964 (6 channels); 1403N1 printint unit (200 characters/sec.) -
                 4 control units 1051, 2841, 2822, 2821

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: 4 disc units; core; card reader

Reprographic methods used to distribute the output of the system:

              Computer printer
              BS printer (TTS computer bands)

E.   OUTPUT TO USER

Output options available: "Bulletins signaletiques" (Abstracts bulletins); bibliographical searches;
     selected diffusion of information; indexing; specialised vocabularies; lending of documents;
     translations; abridged descriptions of patents interesting for Armament purposes

Machine-readable format in which output is available: No

F.   USAGE INFORMATION

Availability of the system: As shown under   "A"

Charge basis to users: Documents on loan are free of charge - "Bulletin signaletique"; subscription
                              rate varies between 50 and 350 F/year - Bibliographies; prices vary between
                              50 F and 1600 F (annual rate)
Estimate of input of citations:
                              150,000 documents/year

Estimate of output of citations:

G.   RECENT AND PLANNED DEVELOPMENTS

                                    REFERENCES

   "Le CEDOCAR organe d'information scientifique et technique au service de l'industrie" CEDOCAR, Paris

                                                                        Compiled by ECE

Name of the system : GENERALISED INFORMATION PROCESSING SYSTEM

Official Abbreviation: GYPSY

Address: Centre for scientific, technical and economic information
State technical library, Praha 1, Klementinum, Czechoslovakia

Telephone: 233351

Telex:

Cable Address:

Sponsor or controlling body: Federal Office for technical development, Praha, Vinohrady, Slezská 7

Approximate total staff: 5

Approximate annual budget: 70.000 Kcs

Date of first operation: 1.1.1968

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Technical librarianship

Purpose of the System: Periodical bibliography with indexes

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Selective	Several languages
Journals including abstract journals	"	"
Technical reports	"	"
General printed matter	"	"

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	x	M	S
Title i.e. original title	x	M	S
Abstract originated at source	x	M	A
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	x	M	
Keywords, descriptors, terms	x	M	S
Full text			.

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     0 = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:

D. **MECHANISATION BASIS**

<u>Media used for total record</u>:   Computer magnetic tape

<u>Media used for the search record</u>:   "

Computer based   IBM 1410

<u>Configuration</u>:   40.000 iner memory, 1 punch card input unit IBM 1402, punch card or paper tape to magnetic
                 tape converter, 8 magnetic tape units IBM 729,5 disc units IBM 1311 - not used in this
                 application - 1 printer IBM 1403

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere</u>:   GYPSY is not used for retrieval

<u>Reprographic methods used to distribute the output of the system</u>:   photorotaprint

E. **OUTPUT TO USER**

<u>Output options available</u>:   cards with bibliographic items, bibliographical texts with various indexes,
                        magnetic tapes

<u>Machine-readable format in which output is available</u>:   magnetic tapes

F. **USAGE INFORMATION**

<u>Availability of the system</u>:

<u>Charge basis to users</u>:

<u>Estimate of input of citations</u>:   quaterly 650 per day

<u>Estimate of output of citations</u>:   "   "   , with indexes/author, title, KWIC, subject, countries,
                                used journals/

G. **RECENT AND PLANNED DEVELOPMENTS**

             SDI

REFERENCES

Compiled by ECE

Name of system: TECHNISCHE DOKUMENTATION DES ÖPZ

Official Abbreviation: TD

Address: Vienna, Renngasse 5, A 1014 Wien, Austria.

Telephone:

Telex: OEPEZET WIEN

Cable Address:

Sponsor or controlling body: Österreichisches Produktivitäts-Zentrum

Approximate total staff: 5

Approximate annual budget:

Date of first operation: 1955

A.   **AREA AND PURPOSE OF SYSTEM**

Area covered: 18 subject fields for the active service -
                    practically the whole of technology

Purpose of the System: Supply Austrian industry with up-to-date information on advanced
                                     technology, machinery, materials, processes

Kind of co-operation with other information systems:
                                     Subscription to other card-services
                                     Orders for special searches

B.   **INFORMATION INPUTS**

(i)   Sources   Coverage   Language

Books including bibliographies   Selected mater: Other languages also
Journals including abstract journals   "   "   "   "   "
Technical reports   "   "   "   "   "
General printed matter   "   "   "   "   "

(ii) Digested information from other systems: VDMA - Documentation

C.   **RECORD CONTENT**

	A*	B*	C*
Authors	X	M	A
Source	X	M	
Title i.e. original title	X	M	A
Abstract originated at source			
Abstract originated by system	X	M	
U.D.C. or similar "universal" code	X	M	S
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used:
                                     UDC

D.   **MECHANISATION BASIS**

Media used for total record: Visible records

Media used for the search record: Visible records

Computer based:

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

                 Offset-printing for active service cards
                 Photostat copies for individual information

E.   **OUTPUT TO USER**

Output options available:

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system:

Charge basis to users: AS 150, - for yearly subscription to each subject field
                           Individual costs for specific searches

Estimate of input of citations: 40 per day

Estimate of output of citations: 20 per day

G.   **RECENT AND PLANNED DEVELOPMENTS**

               Special service to a limited group of users according to user profiles

REFERENCES

Name of System: CENTRO DE INFORMACION Y DOCUMENTACION

Official Abbreviation: CID

Address: Joaquín Costa, 22, Madrid 6 (Spain)

Telephone: 261 48 08

Telex: 22628

Cable Address: CIDMDE

Sponsor or controlling body: Patronato "Juan de la Cierva" de Investigación Científica y Técnica

Approximate total staff: 81 (29 professional staff)

Approximate annual budget: 24,000,000 pesetas

Date of first operation: 1952 (Abstracts, 1962)

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Applied sciences in general; applied chemistry, applied physics, metallurgy, agronomy, packaging, and economy of enterprise in particular.

Purpose of the System: To provide research centres, firms and individuals with information in these fields, mainly by means of an abstract journal, bibliographic references and photodocumentation.

Kind of co-operation with other information systems: Exchange

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Journals, including abstract journals	Selective	Several languages

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source			
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	x	o	s
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
        O = the item is optional for output
* C: S = the item is used for search
        A = the item is available for search

Classification basis used: Key-word based Filmorex system

D.   MECHANISATION BASIS

  Media used for total record: Microfilm 35 x 60 mm

  Media used for the search record: Microfilm 35 x 60 mm

  Computer based   Under-advanced project
  Configuration:

  Minimum configuration required to search the files for retrieval purposes or to replicate the system
  performance elsewhere:

  Reprographic methods used to distribute the output of the system:

    Filmorex photolisting, including printed copies

E.   OUTPUT TO USER

  Output options available: - Microfilms, photocopies
                             - Abstracts journal (monthly) (17 different series)
                             - Bibliographical search service

  Machine-readable format in which output is available:

F.   USAGE INFORMATION

  Availability of the system: Open to everybody

  Charge basis to users: - Abstract journal: subscription rate of 700 ptas (one series)
                          - Bibliographical search: 500 ptas a search (average)

  Estimate of input of citations:

  Estimate of output of citations:

G.   RECENT AND PLANNED DEVELOPMENTS
              The replacement of Filmorex systems by computer is forseen.

                                      REFERENCES

  CID, Madrid 1968

                                                          Compiled by ECE

Name of system:	POLYDOC

Official Abbreviation:

Address:	Forskningsveien 1, Oslo 3, Norway

Telephone:	69 58 80
Telex:	Oslo 11536
Cable Address:	Studieselskapet, Oslo

Sponsor or controlling body: Studieselskapet for Norsk Industri

Approximate total staff:	36
Approximate annual budget:	3 million N.kr.
Date of first operation:	

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Polytechnical technique - shipbuilding technique - building and construction

Purpose of the System: SDI service - Specific searches - Abstracting services

Kind of co-operation with other information systems: Scandinavian co-operation

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Sources	Coverage	Language
Books including bibliographies	Partial	Several languages
Journals	Extensive	" "
Technical reports	Selected material	" "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X		
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system	X	M	
U.D.C. or similar "universal" code	(X)	(M)	(S)
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	'M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Category system developed for the three subject fields

D.   MECHANISATION BASIS

    Media used for total record: 80-column cards - Computer magnetic tape

    Media used for the search record: 80-column cards - Computer magnetic tape

    Computer based:

    Configuration: Univac 1108
                              128 K

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere:

    Reprographic methods used to distribute the output of the system:
                                                         Xerox and offset printing

E.   OUTPUT TO USER

    Output options available: Logical search data

    Machine-readable format in which output is available:

F.   USAGE INFORMATION

    Availability of the system:

    Charge basis to users: N.kr.400.

    Estimate of input of citations: 100 per day

    Estimate of output of citations: 100 per day (monthly average)

G.   RECENT OR PLANNED DEVELOPMENTS

        The Compendex magnetic tape service is under development
        and is expected to be in operation by the end of the year

REFERENCES

Name of system:	SCIENCE INFORMATION EXCHANGE

Official Abbreviation:	SIE

Address:	1730 M.Street, N.W., Washington, D.C. 20036

Telephone:	381-5511
Telex:	
Cable Address:	

Sponsor or controlling body:	National Science Foundation

Approximate total staff:	100
Approximate annual budget:	$1.6 million
Date of first operation:	1949

A.   AREA AND PURPOSE OF SYSTEM

Area covered:	All areas

Purpose of the System:	National level resource on research in progress and recently completed.

Kind of co-operation with other information systems: Largely by informal arrangements;
some formal agreements.

B.   INFORMATION INPUTS

(i)   **Sources**   **Coverage**   **Language**

Technical reports (one page primary   Extensive   National language only
document written for SIE)

(ii) Digested information from other systems: We use a completed original document, not a digest or
abstract, but in some cases receive it from other systems

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source			
Title i.e. original title	X	O	S
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text	X	O	O

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Use of structured scientific concepts in multiple-entry indexing and co-ordinate
retrieval (SIE System)   (a) Unique last-term system
                         (b) Invested Search System)   (see ref. under G)

D.   **MECHANISATION BASIS**

Media used for total record: Visible records, 80-column cards, Computer magnetic tape,
                                     Other computer storage, interchangeable, e.g. discs, system-bound, e.g. core
Media used for the search record: Visible records, Computer magnetic tape, Other computer storage, inter-
                                     changeable, e.g. discs, system-bound, e.g. core
Computer based: IBM 360/40

Configuration: S/360 (model 40) - 131,072 bytes of main core storage - 4 9-track tape drives -
               5 IBM 2311 units - 1 IBM 2540 card reader (model 1) - 1 IBM 1403 printer (model N 1)

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: Same. Exclusion of communication terminals

Reprographic methods used to distribute the output of the system: Computer Printer   - Xerox Copies -
     Microfilm Printer   - Multilith

E.   **OUTPUT TO USER**

Output options available: Magnetic tape - variable
                                Notice of Research Project document - 8½x11"
                                Computer print-out page - variable
                                Table of data - 8½x11"
                                Catalogue - variable

Machine-readable format in which output is available: The Interchange Tape is consistent with the standard
     codes 3-4-1967 and 3-12-1967 adopted by USASII.   Alternatively it may be suitable for input to an
     IBM System 360 computer (9 track, 800 BPI) if the latter is more convenient.

F.   **USAGE INFORMATION**

Availability of the system:

Charge basis to users:

Estimate of input of citations: 300 per day

Estimate of output of citations: 1,500 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

                                        None

                                          REFERENCES
D.F. Hensey, W.R. Foster, M. Snydermann, F.J. Kreysn "Conceptual Indexing and Retrieval of
Current Research Records: An analysis of Problems and Progress in Large Scale Information Systems"
Methods of information in medicine -
Methodik der Information in der Medizin, Vol. 7, No. 3 (July 1968) pp.172-187

                                        Stuttgart

Name of system: SCIENTIFIC DOCUMENTATION CENTRE

Official Abbreviation: SDC   CAS   SDI

Address: Halbeath House, Dunfermline, Fife, United Kingdom

Telephone: Dunfermline 509

Telex:

Cable Address:

Sponsor or controlling body: As above

Approximate total staff: 50 part-time

Approximate annual budget: £10,000.

Date of first operation: 1957

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Most areas

Purpose of the System: CAS   SDI

Kind of co-operation with other information systems: Willing to be used by other publishers and uses
        other secondary systems

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
    Books including bibliographies   Extensive   Several languages
    Journals including abstract journals "   "   "
    Technical reports   "   "   "
    General printed matter   "   "   "

(ii) Digested information from other systems: Certain Abstracting Publications

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	X	X
Source	X	X	X
Title i.e. original title	X	X	X
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	X	X
Keywords, descriptors, terms	X	O	X
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      0 = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D.   **MECHANISATION BASIS**

Media used for total record: Visible records (cards),80-column cards (NOT for CAS, SDI)

Media used for the search record: Visible records

Computer based;   Manual - cerebral

Configuration: Covered approx. 400,000 items per year.
                  Approx. ½ million full references in retre file.

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: None, but output would be massive if too broad.

Reprographic methods used to distribute the output of the system: Plant of various kinds

E.   **OUTPUT TO USER**

Output options available: "Services": Minimum cost £15. - £20. p.a. (weekly)
                                  £8.   "   (monthly)
                            covering up to 6 cards per week.
                            Some services cost up to £250 per year covering several hundred
                            references per week (e.g. NMR & IR spectros copy)

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system:

Charge basis to users: Basically £6. per gross of cards. Minimum £15. or more usually £20. per annum.
                          Unit costs drop substantially as size of service increases.

Estimate of input of citations:

Estimate of output of citations:

G.   **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

X-18	S
SCIENCE AND TECHNOLOGY	

Name of system: ROYAL INSTITUTE OF TECHNOLOGY, Library Documentation Centre for Science and Technology

Official Abbreviation: KTH:s SDI-service

Address: Royal Institue of Technology Library S-100 44 Stockholm 70, Sweden

Telephone: 23 63 20, 23 65 20

Telex: 10389 kthb Stockholm, Technology

Cable Address:

Sponsor or controlling body: The Swedish Board for Technical Development, The Royal Institute of Technology

Approximate total staff: 10

Approximate annual budget: 600 000 Sw.or.

Date of first operation: October 1967

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Mathematics, physics, chemistry, mechanical engineering, metallurgy, electrotechnology, electronics, computer and control science, materials science, polymer science and technology

Purpose of the System: Mechanised retrieval of information for Selective Dissemination of Information in Science and Technology to scientific research units at universities, governmental, semi-governmental insts. and to the industrial community.

Kind of co-operation with other information systems:
System development with AB Atomenergi, Nyköping

B.   INFORMATION INPUTS

(1)   Sources   Coverage   Language

Books including bibliographies   Selected material   Several languages
Journals including abstract journals Extensive   "
Technical reports   "   "
General printed matter   Selected material   "
Manuscripts

(ii) Digested information from other systems: 1. Science Citation Index Source Tapes - The Institute for Scientific Information (USA) 2. Mech.Eng. Tapes -Royal Inst. of Technology Library (in-house input)(Sweden). 3.Polymer Science and Technology, POST-J,POST-P - Chemical Abstracts Service (USA) 4. INSPEC - Information Service in Physics, Electrotechnology and computers & Control - The Inst. of Electrical Engineers (UK) 5. Metals Abstracts Index - The American Society for Metals (USA) 6. Current Index to Conference Papers in Engineering - ICC Information Corporation (USA)

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source	X	O	S
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	S
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Confer the databases on para B and their own descriptions about classification

D.   **MECHANISATION BASIS**

    <u>Media used for total record:</u>Computer magnetic tape

    <u>Media used for the search record:</u>80 column cards, computer magnetic tape, other computer storage, interchangeable, e.g. discs. Other computer storage, system-bound, e.g. core
    Computer based

    <u>Configuration:</u> IBM 360/30F 64 K memory (DOS), two tape drives, one disc drive, punched card reader/card punch, Paper tape reader/tape punch, printer.

    <u>Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:</u>The above.

    <u>Reprographic methods used to distribute the output of the system:</u>
    Computer print-out or offset prints from the computer print-out

E.   **OUTPUT TO USER**

    <u>Output options available:</u> Lists

    <u>Machine-readable format in which output is available:</u>
    Magnetic tape 800 bpi 9-tracks

F.   **USAGE INFORMATION**

    <u>Availability of the system:</u> System not available through documentation services or libraries only.
    Individual request by telex, correspondence or phone calls

    <u>Charge basis to users:</u> 300 Sw.Cr/year/profile

    <u>Estimate of input of citations:</u>   2000 per day

    <u>Estimate of output of citations:</u> 200 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

    Automated indexing

REFERENCES

      TELL B.V.:   Lanson R. and Lind R.:   "Information retrieval with the ABACUS programme;
                                       an Experiment in comparibility"

XI.

SPECIFIC TECHNOLOGIES

TECHNOLOGIES PARTICULIERES

Name of system:	ENGINEERING INDEX - ENGINEERING INFORMATION SERVICES
Official Abbreviation:	EI
Address:	345 East 47th Street, New York City 10017
Telephone:	212 (752-6800)
Telex:	
Cable Address:	
Sponsor or controlling body:	Engineering Index Inc. New York (a not-for-profit Corp.)
Approximate total staff:	110
Approximate annual budget:	
Date of first operation:	EI - 1889 COMPENDEX (Computerised Engineering Index) - 1969

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Technological areas - Trans-disciplinary coverage in all areas of engineering - emphasis on Applications Technology.

Purpose of the System: EI : Informative abstracts
COMPENDEX : Engineering reference and abstract

Kind of co-operation with other information systems: COMPENDEX is a computerised version of the Engineering Index Monthly

B.   INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Selected material	Several languages
Journals including abstract journals	Extensive	" "
Technical reports	Selected material	" "
General printed matter	" "	" "

(ii) **Digested information from other systems:**

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source	X	O	A
Abstract originated by system	X		
U.D.C. or similar "universal" code (No UDC ∅)	---	---	---
Classification code common to area covered	X	O	A
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms (Main Heading; Sub-heading, Cross Ref.	X	O	A
Full text plus up to a max. of 5 free language terms)	X	O	A

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

The abstract originated at the source is included as part of the complete record for full text processing.

Classification basis used:

NOTE: Engineering Index is devoted to the production and distribution of a data base, and provides neither software nor a search service. Therefore, items D and E are not available to Compemdex.

D.   MECHANISATION BASIS

Media used for total record:

Media used for the search record:

Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: The service is available on lease basis to subscribers of The Engineering Index Monthly and The Engineering Index Annual.

Charge basis to users: a lease rate of $6,500 m. per year in 1971

Estimate of input ox̶x̶o̶d̶x̶b̶a̶t̶b̶o̶n̶s̶x̶   approximately 5,000 abstracts with complete bibliographic citations per month.

B̶a̶t̶i̶m̶a̶t̶e̶x̶o̶f̶x̶o̶u̶t̶p̶u̶t̶x̶o̶f̶x̶o̶d̶t̶b̶a̶t̶t̶o̶n̶g̶x̶

G.   RECENT OR PLANNED DEVELOPMENTS

Continuing efforts to provide broader, deeper and greater timelines of coverage

REFERENCES

The Compendex Information Booklet available upon request from:

    Engineering Index Inc.,
    345 E. 47th Street,
    New York,   N/Y.10017,
    U.S.A.

Compiled by OECD

Name of system: OFFICE OF ENGINEERING STANDARDS SERVICES

Official Abbreviation: None

Address:
                    ..hnology Building, Room B 147,
                    National Bureau of Standards, Washington, D.C. 921-2587
Telephone: Area Code 301, 921-2587

Telex: None

Cable Address: None

Sponsor or controlling body: National Bureau of Standards,
                                U.S. Department of Commerce

Approximate total staff: 5

Approximate annual budget: $75,000

Date of first operation: 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: This Library contains a reference collection of over 19,000 engineering and related
                standards, specifications, test methods and recommended practices.

Purpose of the System: To disseminate information concerning: (1) engineering standards published by over 360
    trade, professional and technical societies in the U.S.; (2) Federal specifications and Standards published
    by the General Services Administration; (3) voluntary Product Standards published by the National Bureau of
    standards; (4) the availability of Military Specifications and Standards; and (5) state standards and
Kind of co-operation with other information systems: procurement specifications
    Assist in the overall co-ordination of standardization information; to other libraries and information
    centres, act as an information source and referral centre

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

(ii) Digested information from other systems:

    see "Purpose of the System" for information from other sources. In addition catalogues of standards
    published by foreign national standardization organisations have been received. Copies of standards
    issued by all Federal Government agencies and by some foreign countries (for subsequent indexing)
    are being collected.

C.   RECORD CONTENT

		A*	B*	C*
Authors	NA	-	-	-
Source	Organisation publishing standard	X	O	A
Title i.e. original title	.	X	O	A
Abstract originated at source - use scope of standard		X	M	S
Abstract originated by system - Index originated by our system				
U.D.C. or similar "universal" code - Not applicable to the system but some standards carry U.D.C.				
Classification code common to area covered - None		-	-	-
Classification code peculiar to system Initialism representing the association, society		X	O	S
Keywords, descriptors, terms		X	M	S
Full text - (standard, specification, test method and recommended practice)		X	M	A

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D. **MECHANISATION BASIS**

Media used for total record: Titles (with identification numbers and symbols) on magnetic tape

Media used for the search record: Key words

Computer based: Yes - tapes, cards, and computer printouts

Configuration: Computer alphabetised permutation of key words

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system: None from this section

E. **OUTPUT TO USER**

Output options available: Title of the document is the output to the user

Machine-readable format in which output is available:

Key-Word-In-Context (KWIC) Index will be published by end of year

F. **USAGE INFORMATION**

Availability of the system: Available to the public as well as to government and private organisations, by letter, phone or personal visit

Charge basis to users: None

Estimate of input of citations: Over 19,000 to date

Estimate of output of citations: 6,000 annually

G. **RECENT OR PLANNED DEVELOPMENTS**

Collected Federal government standards and State standards and purchase specifications

REFERENCES

Compiled by OECD

Name of system: INFORMATION SERVICE IN PHYSICS, ELECTRO-TECHNOLOGY AND CONTROL

Official Abbreviation: INSPEC

Address: Institution of Electrical Engineers, Savoy Place, London W.C.2

Telephone: 01-240-1871

Telex: 261176

Cable Address: Voltampere London W.C.2.

Sponsor or controlling body: Institution of Electrical Engineers

Approximate total staff: 95

Approximate annual budget: £483,290

Date of first operation: 1898

A. AREA AND PURPOSE OF SYSTEM

Area covered: Physics, Electrotechnology, Computers and Control

Purpose of the System: To provide comprehensive dissemination and retrieval services in the field defined above

Kind of co-operation with other information systems: Joint Publishers with the IEEE in the electrotechnology, computers and control field

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
Journals, reports, patents, books, conference proceedings, dissertations	As comprehensive as possible 2000 journals	20, all translated

(ii) Digested information from other systems:

USGRDR)
Dissertation Abstracts } Selectively
Patents from Derwent Publishing)

C. RECORD CONTENT

	A*	B*	C*
Authors	X	0	S
Source	X	0	S
Title i.e. original title	X	0	S
Abstract originated at source	X	0	A
Abstract originated by system	X	0	A
U.D.C. or similar "universal" code	-	-	-
Classification code common to area covered	-	-	-
Classification code peculiar to system	X	0	S
Keywords, descriptors, terms	X	0	S
Full text	-	-	-

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  0 = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification basis used: 3- level hierarchial structure

D. **MECHANISATION BASIS**

__Media used for total record:__   Magnetic Tape

__Media used for the search record:__   Magnetic Tape/Disc

__Computer based__   Yes

__Configuration:__   ICL 1902A

__Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:__
ICL 1902A

__Reprographic methods used to distribute the output of the system:__

computer-typeset, photo-composed, offset-litho printed

E. **OUTPUT TO USER**

__Output options available:__   Printed abstract journals - Physics Abstracts, Electrical and Electronics Abstracts, Computer and Control Abstracts
Printed current awareness journals for above
Six-monthly and cumulative indexes for above
SDI service
Standard profile service
Magnetic tape services

__Machine-readable format in which output is available:__

Magnetic tape-format to international ISO/TE46 standard (a subset of MARC II format)

F. **USAGE INFORMATION**

__Availability of the system:__   Open to all subscribers

__Charge basis to users:__   Subscription basis to various services, details available on request

__Estimate of input of citations:__   140,000 per annum

__Estimate of output of citations:__   140,000 per annum

G. **RECENT OR PLANNED DEVELOPMENTS**

Full search facilities, integrated SDI system within main production system, on-line editing

REFERENCES

Compiled by OECD

Name of system:	SYSTEM OF THE OFFICE OF ENGINEERING REFERENCE

Official Abbreviation: None (no official name exists for the system)

Address:
Office of Engineering Reference,
U.S. Bureau of Reclamation, Denver Federal Center,
Denver, Colorado 80225, U.S.A.

Telephone: 303 233 3611, Ext. 6592

Telex: Telex 45737

Cable Address:

Sponsor or controlling body: Office of Engineering Reference

Approximate total staff: 25

Approximate annual budget: $430,000 (includes technical library activity)

Date of first operation: 1963

A. AREA AND PURPOSE OF SYSTEM

Area covered: Water resources engineering, including irrigation, and hydropower generation and transmission.

Purpose of the System: Computer-oriented Selective Dissemination of Information (SDI) and retrieval systems for technical needs of 2,300 professional employees.

Kind of co-operation with other information systems: No direct interface with other systems.

B. INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Partial	Several language
Journals including abstract journals	Extensive	" "
Technical reports	"	" "
General printed matter	"	" "
Manuscripts	Selected material	" "

(ii) **Digested information from other systems:** Water Resources Scientific Information Center, Department of the Interior, Washington, D.C. 20240

C. RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	
Title i.e. original title	X	O	
Abstract originated at source			
Abstract originated by system	X	O	A
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification by Committee on Scientific and Technical Information (COSATI) for subject categories

Classification basis used:

D.   **MECHANISATION BASIS**

Media used for total reoord: Visible records,   computer magnetic tape

Media used for the searoh record: 80-column cards, computer magnetic tape

Computer based   Honeywell 800/200

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:
                                    Honeywell 800/200

Reprographic methods used to distribute the output of the system: Xerox 914 duplicator and Honeywell 200
                                                                       printer

E.   **OUTPUT TO USER**

Output options available: Computer printout (10 x 11 inches) and SDI cards (3 x 7-3/8 inches)

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system: Available only within Bureau of Reclamation

Charge basis to users: No charge to inhouse users;   not available extramurally.

Estimate of input of oitations: System is building;   no measure yet available.

Estimate of output of citations: .

G.   **RECENT OR PLANNED DEVELOPMENTS**

                                    Search capability upon request by individuals.

REFERENCES

Name of system:	SELECTIVE DISSEMINATION OF ENGINEERING INFORMATION

Official Abbreviation:	SDI (IBM System 1401-CR-01X, modified)

Address:	USDI, Bonneville Power Administration, Attn: Library - MAL P.O. Box 3621, 1002 NE. Holladay, Portland, Oregon
Telephone:	503-234-3361, ext. 4445
Telex:	
Cable Address:	

Sponsor or controlling body: BPA Technical Library

Approximate total staff:	1 electrical engineer and 1 translator
Approximate annual budget:	$50,000.
Date of first operation:	June 1966

A.   AREA AND PURPOSE OF SYSTEM

Area covered: The coverage is confined to high voltage electric power transmission engineering.

Purpose of the System: 1. To announce selectively new published papers, reports, etc. to engineers and scientists, to make them aware of what is being done in their field elsewhere.
2. To store data in easily retrievable form for retrospective searches to compile bibliographies upon requests.

Kind of co-operation with other information systems: None

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Selected material	National language only
Journals including abstract journals	Extensive	Other languages also
Technical reports	Selected material	" " "
General printed matter	Partial	" " "
Manuscripts	Selected material	" " "

(ii) Digested information from other systems: None

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	M	
Title i.e. original title	X	O	S
Abstract originated at source			S
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms		O	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
        O = the item is optional for output
* C: S = the item is used for search
        A = the item is available for search

Classification basis used: No classification - SDI number is assigned to each item entered into the system. The number contains the abbreviation for source of abstract (if not original) and date of publication of the document.

D.   MECHANISATION BASIS

Media used for total record: Computer magnetic tape

Media used for the search record: Computer magnetic tape

Computer based   IBM 1401

Configuration: IBM 1401 with 8,000 positions of core storage, advanced programming, high-low-equal
                compare and a minimum of 4 magnetic tape units. However, operation is much smoother
                with 5 tape units. Also uses card reader and printer. Uses internal tape labels.
                Programmes are written in 1401 Autocoder.
Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: As above

Reprographic methods used to distribute the output of the system: The output of the computer system
   consists of abstracts and other material printed on a card which is the same size as a standard
   80-column IBM punched card. This printing is done entirely by the computer's output printer, with
   no assistance for any other reproduction equipment.
   After reading the abstract, the customer can request a hard-copy of the actual material
   (either original or copy).

E.   OUTPUT TO USER

Output options available: Single keywording and multiple (phrase) keywording. Exclusion (drop) list or
   inclusion list.   Selective exclusion of different parts of the abstract from keywording, and printing
   (independently controlled).   Predetermined thesaurus headings and manual indexing or machine matching
   of words in text. Earlier, unimproved versions allowed addressing for distribution through postal
   service; ours only provides a short abbreviated address for internal mail.

Machine-readable format in which output is available: Intermediate output is available on machine-readable
   magnetic tape. Final output on printed cards cannot be read by machine, except for one option which
   includes a sequential output number in punched form on one end of the card which can subsequently be
   machine read. But only this number can be read, together with a "Porta-punch" response from the
   recipient as to his reaction.

F.   USAGE INFORMATION

Availability of the system: Through BPA Library only.

Charge basis to users: Free to BPA engineers.   Limited subscriptions available at $30.00 per profile
                          per year.

Estimate of input of citations: 25 per working day

Estimate of output of citations: Depends on standing order inquiry (profile).   The broad subject profile
                                  may result in up to 30 per week citations.

G.   RECENT OR PLANNED DEVELOPMENTS

                         KWIC/KWOK printout on titles in storage.

REFERENCES

Norman D. Peterson, "A System for Information Dissemination and Retrieval", IEEE Computer Group News,
Nov. 1967, pp. 1-7 (cover feature); The Institute of Electrical and Electronics Engineers.

Norman D. Peterson, "Directions for Preparing SDI Profiles", Document R-68-74 in the Computer Group
Repository, Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017,
announced on page 41 of the March 1968 Computer Group News. A 29-page monograph, copies available from
the above address at $2.65 each.

Erik Bromberg, George Dubinski, and Norman Peterson, "The Bonneville Power Administration Selective
Dissemination of Information Program", Special Libraries, October 1967, adapted from IEEE Power Group
Conference Paper No. 31-CP-67-513, July 14, 1967.

Norman D. Peterson, Dale L. Holmes and Val S. Lava, "Alternate Methods of Machine Indexing and their
Effect on the Effectiveness of Document Retrieval", Computers and the Humanities, November 1967, p.72.

International Business Machines manuals Nos. H20-0053, H20-0054, H20-0055, and E20-8092.

Name of system: GEOTECHNICAL ABSTRACTS

Official Abbreviation: GA

Address: Deutsche Gesellschaft für Erd- und Grundbau,
                           Essen, Kronprinzenstrasse 35a.

Telephone:

Telex:

Cable Address:

Sponsor or controlling body: International Society for Soil Mechanics & Foundation Engineering

Approximate total staff: 5

Approximate annual budget: DM.200,000.

Date of first operation: January 1970

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Soil Mechanics, Rock Mechanics, Foundation Engineering, Engineering Geology

Purpose of the System: To publish an abstract journal covering the literature of the relevant fields
   for which a commercial retrieval system (peek-a-boo-cards, Geodex) are available

Kind of co-operation with other information systems: Exchange of Abstracts with International Road Research
   Documentation (OECD), Highway Research Information Service (HRB) serving "Geodex Retrieval System" with
   the Abstract journal.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
   Books including bibliographies   Selected material   Several languages
   Journals including abstract journals   "   "   "   "
   Technical reports   "   "   "   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source	X	M	
Abstract originated by system	X	M	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	M	S.
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Two systems are simultaneously used:
   For the card file the hierarchical system: International Geotechnical Classification System (IGC)
   For the use of peek-a-boo-cards and computers according to "co-ordinate indexing" descriptors of an
   own "Geotechnical Thesaurus"

D.   MECHANISATION BASIS

Media used for total record: Visible records,   Punched cards, including edge-punched or
                                  coincidence cards
Media used for the search record: Visible records,   Punched cards, including edge-punched or
                                  coincidence cards
Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   OUTPUT TO USER

Output options available: Abstract journal, monthly, 144 abstracts;
                             Author index, yearly;
                             Sets of coincidence cards three times a year (Geodex)

Machine-readable format in which output is available:

F.   USAGE INFORMATION
Availability of the system: By subscription:
                             (a) Journal: Deutsche Gesellschaft für Erd- und Grundbau,
                                 43 Essen, Kronprinzenstrasse 35a, Germany.
    (b) Retrieval system: Geodex International Inc., P.O.Box 385, Glen Ellen, Calif., 95442, U.S.A.
Charge basis to users: Subscription to abstract journal DM.126./year
                         Geodex Retrieval System U.S. $60/year

Estimate of input of citations:

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

REFERENCES

Compiled by OECD

Name of System: ELEKTRONISCHES DOKUMENTATIONS UND INFORMATIONS SYSTEM

Official Abbreviation: EDIS

Address: Bibliothèque EPFZ, Zurich (Switzerland)

Telephone: 32.62.11

Telex: 53.178

Cable Address: _

Sponsor or controlling body: Library of the Federal Polytechnical School (EPF)

Approximate total staff: 120

Approximate annual budget: _

Date of first operation: 1255

} Library

A. AREA AND PURPOSE OF SYSTEM

Area covered: All scientific and technical branches dealt with at the Federal Polytechnic School

Purpose o_ the System: Information and Documentation Network System for Polytechnic School and other Swiss centres

Kind of co-operation with other information systems:

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Extensive	Several
Journals including abstract journals	Selective	Several
Technical reports	Selective	Several
Printed matter	Selective	Several
Manuscripts	Partial	Several

(ii) Digested information from other systems:

Thesis, patents

C. RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	O	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system	X	Ɔ	
U.D.C. or similar "universal" code	X	O	A
Classification code common to area covered			
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	O	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification basis used:

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D.   MECHANISATION BASIS

Media used for total record: Visible records, computer magnetic tapes, discs, cores

Media used for the search record: Computer magnetic tapes, discs, cores

Computer based   CDC 6400 + 6500 + satellites + terminals

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: Through libraries

Charge basis to users:

Estimate of input of citations:

Estimate of output of citations:

6.   RECENT OR PLANNED DEVELOPMENTS

                                    REFERENCES

| Name of system: | INTERNATIONAL COMPUTERISED SYSTEM FOR TEXTILE INFORMATION SYNOPSIS |

Official Abbreviation: TITUS

Address: Institut Textile de France
35Qrue des Abondances, 92- Boulogne sur Seine (Fance

Telephone: 825 18 90

Telex:

Cable Address:

Sponsor or controlling body: Institut Textile de France

Approximate total staff: 28 (in Paris)

Approximate annual budget: 1,750,000 French Francs

Date of first operation: 1. 1. 1971

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Textile industry. Physics and Chemistry applied to Textiles

Purpose of the System: The providing of: (1) Information retrieval; (2) Bibliographies;
(3) Specific data on selected profiles; (4) Band-stored information.
(1 and 2 are provided upon request, 3 and 4 by subscription)

Kind of co-operation with other information systems: International Co-operative System

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books, including bibliographies	Selected material	Several languages
Journals including abstract journals	" "	" "
Technical reports		
General printed matter	" "	" "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	~
Source	X	M	A
Title i.e. original title	X	M	
Abstract originated at source	X	O	
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: Documents are indexed by means of keywords taken from a common
textile thesaurus

D.   **MECHANISATION BASIS**

    Media used for total record: Interchangeable computer storage: discs and cores

    Media used for the search record: "   "   "   "   "

    Computer based: 360/25   IBM

    Configuration: 48 K - 4 discs 2311
                                    Input: screen 2260; Output: printer

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere: 34 K, 8 K

    Reprographic methods used to distribute the output of the system:

                    Reduction and reproduction Rank Xerox

E.   **OUTPUT TO USER**

    Output options available:

    Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

    Availability of the system: Open to everybody

    Charge basis to users: Variable according to importance of request

    Estimate of input of citations: 75 per day

    Estimate of output of citations: 25 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

                                REFERENCES

        - ITF actualités

                                                    Compiled by ECE

<u>Name of Service</u> SERVICE INFORMATION ET DOCUMENTATION - INSTITUT DU VERRE

<u>Official Abbreviation</u>   MINERVE   (Mechanisation des Informations dans l'exploitation et la recherche
<u>of System;</u>   verrière)

<u>Address</u>:   Institut du Verre, 34, rue Michel-Ange, Paris 16ème (France)

<u>Telephone</u>: 647.60.93

<u>Telex</u>:   -

<u>Cable Address</u>: INSTITUVERRE

<u>Sponsor or controlling body</u>: Institut du Verre

<u>Approximate total staff</u>:   13

<u>Approximate annual budget</u>:   800,000 French Francs

<u>Date of first operation</u>:   1962

A.   AREA AND PURPOSE OF SYSTEM

<u>Area covered</u>:   Science and technology of glass (including glass refractories)

<u>Purpose of the System</u>:   Information retrieval and bibliographical research; selective dissemination of
information; mechanised production of annual indexes;   translations

<u>Kind of co-operation with other information systems</u>: By exchanging abstracts,   under tapes and translations

B.   INFORMATION INPUTS

(i)   Sources   <u>Coverage</u>   <u>Language</u>
Books including bibliographies   Extensive   Several
Journals including abstract journals   Extensive   Several
Technical Reports   Selected material   Several
Printed matter   Selected material   Several

(ii) <u>Digested information from other systems</u>:

CNRS, ETC, Institut de Ceramique Française, International Commission on Glass
British Glass Research Association, Deutsche Glasstechnische Gesellschaft

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source	X	O	A
Abstract originated by system	X	O	A
U.D.C. or similar "universal" code	X	O	A
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

<u>Classification basis used</u>:   UDC and key words from the European Thesaurus on glass

D. <div style="text-align:center">**MECHANISATION BASIS**</div>

<u>Media used for total record</u>: Visible records, 80-column cards, coincidence cards, magnetic tapes,
<div style="text-align:center">8-channel punched tapes</div>
<u>Media used for the search record</u>: 80-column cards, magnetic tapes

Computer based   UNIVAC computer

<u>Configuration:</u>

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system</u>
<u>performance elsewhere:</u>

<u>Reprographic methods used to distribute the output of the system:</u>

<div style="text-align:center">Xerox, offset impression</div>

E. <div style="text-align:center">**OUTPUT TO USER**</div>

<u>Output options available:</u>   Journal: "Verres et Refractaires"   with its Documentary Bulletin and
Information searches   annual table of contents
with restricted distribution: selective dissemination of Information (SDI),
or abstracts containing a number of keywords

Thesaurus on glass on preparation

<u>Machine-readable format in which output is available:</u>

F. <div style="text-align:center">**USAGE INFORMATION**</div>

<u>Availability of the system:</u>   Only to Associates of Institut du Verre ;
Journal "Verres et Réfractaires" on sale

<u>Charge basis to users:</u>

<u>Estimate of input of citations:</u>

<u>Estimate of output of citations:</u>

G. <div style="text-align:center">**RECENT OR PLANNED DEVELOPMENTS**</div>

<div style="text-align:center">**REFERENCES**</div>

Institut du Verre: Documentation, Rapport d'activité, Institut du Verre, Paris 1964

R. Lambert et J. Robredo: "Cinq ans de documentation à l'Institut du Verre", Paris, Nov. 1965

J. Robredo: "Le Service de Documentation à l'Institut du Verre", Verres et Refractaires,
22(6) Nov. 1968, p. 620-629

<div style="text-align:right">Compiled by ECE</div>

Name of the system: SDI SERVICE FOR INDUSTRY AND RESEARCH

Official Abbreviation:

Address: National Technological Library of Denmark, Øster Voldgade 10, 1350 Copenhagen K, Denmark

Telephone: 14 85 50

Telex: 50 48

Cable Address: Dantekbiblio

Sponsor or controlling body: Danish Council for Scientific and Industrial Research

Approximate total staff:

Approximate annual budget:

Date of first operation: January 1967.

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Chemistry as covered by Chemical Abstracts Condensates and general engineering as covered by Engineering Index.

Purpose of the System: To serve Danish industry and research with a multidisciplinary computer based current awareness and selective dissemination of information service

Kind of co-operation with other information systems: The text material is run with I/S Datacentralen's standard information retrieval system called TELETEXT.

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Journals, including abstract journals	Exhaustive	Several languages
Technical reports	"	"

(ii) Digested information from other systems: The service uses Chemical Titles, Chemical Abstracts Condensates and Compendex tapes.

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X		
Title i.e. original title	X		
Abstract originated at source			
Abstract originated by system	X	O	
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: Compendex uses the "card-a-lert" codes corresponding to specific divisions of interest.

D.   MECHANISATION BASIS

Media used for total record: 80-column cards, Computer magnetic tape, Other computer storage,
                               interchangeable, e.g. discs.
Media used for the search record: Computer magnetic tape, Other computer storage, interchangeable,
                               eg. Discs
Computer based

Configuration: IBM 360/50 (256 K) or 360/65 (512 K), cardreader (2540), lineprinter (1403/N1),
               tape stations (2401/5 and 2401/2), discs (2314). (OS MFT II).

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: 1 card reader, 1 line printer, 1 tapeunit + 2 tapeunits or 1 disc pack.(to search
the files for retrieval purposes);
               1* IBM 360/40 + the abovementioned 1/O-media with one OS-partition of 88 K (to
replicate the system performance elsewhere)
Reprographic methods used to distribute the output of the system: Lineprinter output

E.   OUTPUT TO USER   .

Output options available:

Machine-readable format in which output is available: Punched cards or magnetic tape.

F.   USAGE INFORMATION

Availability of the system: Through the National Technological Library of Denmark.

Charge basis to users: The subscripter is charged the costs for running the profiles on the computer

Estimate of input of citations:

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

               On-line search via telex terminals in CT, CC and Compendex for test of profiles
               to batch runs.

                                REFERENCES

Name of system:	INTERNATIONAL FOOD INFORMATION SERVICE

Official Abbreviation:	IFIS

Address:	Commonwealth Bureau of Dairy Science & Technology, Land End House, Shinfield, Reading RG2 9AT, Berks., England.
Telephone:	Reading 883895
Telex:	IFIS CBDST RDG
Cable Address:	

Sponsor or controlling body: CAB, IDW, IFT and PUDOC

Approximate total staff: 17

Approximate annual budget: £85,000.

Date of first operation: February 1968

A. AREA AND PURPOSE OF SYSTEM

Area covered: Food science and technology

Purpose of the System: Current awareness
Information retrieval

Kind of co-operation with other information systems: Exchange of abstracts

B. INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	"	" "

(ii) **Digested information from other systems:**

C. RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	M	S
Title i.e. original title	X	M	S
Abstract originated at source	X	O	S
Abstract originated by system	X	O	S
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	S
Keywords, descriptors, terms	X	M	S
Full text	X	O	

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: Food Science and Technology Abstracts is classified into 19 categories, based on commodities or aspects of food science

D. <div style="text-align:center">**MECHANISATION BASIS**</div>

Media used for total record: Visible records, Computer magnetic tape

Media used for the search record: Visible records, Computer magnetic tape

Computer based: IBM 1460 (+ IBM 1130)

Configuration: IBM 1460 - 8 mag. tape units - 5 disc units - 1 fast printer - 1 card read/write
IBM 1130 - 1 card/read/write - 1 consol

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: Not available

Reprographic methods used to distribute the output of the system: Linotype machine operated by punched
paper tape. Linotron 505

E. <div style="text-align:center">**OUTPUT TO USER**</div>

Output options available:
Monthly abstracts, author index, subject index
Manual search of indexes available

Machine-readable format in which output is available: Monthly mag. tapes containing bibliographic
details, abstracts and indexes

F. <div style="text-align:center">**USAGE INFORMATION**</div>

Availability of the system: Telephone, Telex, Letter, Personal contact

Charge basis to users: Abstract Journal   £77 per year
Magnetic Tapes   £600 per year

Estimate of input of citations: 50 per day

Estimate of output of citations: 50 per day in journal and on tapes

G. <div style="text-align:center">**RECENT OR PLANNED DEVELOPMENTS**</div>

SDI Service
Information retrieval service

<div style="text-align:center">**REFERENCES**</div>

<div style="text-align:right">Compiled by OECD</div>

Name of system: COMMONWEALTH BUREAU OF ANIMAL NUTRITION

Official Abbreviation:

Address: Bucksburn, Aberdeen AB2 9SB, Scotland.

Telephone: Bucksburn 2162

Telex:

Cable Address:

Sponsor or controlling body: Commonwealth Agricultural Bureaux

Approximate total staff: 20 (or 2)

Approximate annual budget:

Date of first operation: 1930 (or 1966)

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Nutrition of man and animals

Purpose of the System: The mechanised system is designed for retrieval of
                         information stored chiefly as printed abstracts in
                         Nutrition Abstracts and Reviews

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Books including bibliographies   Selected material   Several languages
Journals including abstract journals Extensive   "   "
Technical reports   "   "   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source			
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	M	A
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

A scheme for classification of information on
nutrition coded for machine retrieval.   I. Leitch
and W.Z. Billewicz.   Commonwealth Agricultural
Bureaux, 1963: with Addendum, 1967.

Classification basis used:

D.   MECHANISATION BASIS

    Media used for total record: 80 column-cards

    Media used for the search record:

    Computer based   Mechanical card-sorter

    Configuration: The mechanised system provides access to the printed abstracts

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere:

    Reprographic methods used to distribute the output of the system: Xerography of printed abstracts

E.   OUTPUT TO USER

    Output options available: Abstracts, specific on-off search on a limited scale

    Machine-readable format in which output is available:

F.   USAGE INFORMATION

    Availability of the system: Available to individuals by correspondence with the
                                               Director of the Bureau

    Charge basis to users: Based on staff and machine time

    Estimate of input of citations:

    Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

                                         REFERENCES

Name of the system: MECHANIZED SYSTEM FOR THE COMPILATION OF "BIBLIOGRAPHIE DES FORST-UND HOLZWIRTSCHAFTLICHEN SCHRIFTTUMS

Official Abbreviation:

Address: Bundesforschungsanstalt für Forst- und Holzwirtschaft
2057 Reinbek b. Hamburg, Dokumentation

Telephone: (0411) 722 2057

Telex:

Cable Address:

Sponsor or controlling body:

Approximate total staff: No special staff. Is to be operated by staff of Doc. centre and personel of Deutsches Rechenzentrum, Darmstadt

Approximate annual budget: DM 10 000

Date of first operation: January 1970

A. AREA AND PURPOSE OF SYSTEM

Area covered: Forest science, wood technology, forest industries and related fields.

Purpose of the System: Mechanized preparation of bibliography as well as subject index, geographical index and authors index. Subject index and geographical index by KWOC-system.

Kind of co-operation with other information systems:

B. INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Exhaustive	Several languages
Journals including abstract journals	"	"
Technical reports	"	"
General printed matter	Partial	

(ii) Digested information from other systems: Selected material will be covered from abstract journals compiled also by other mechanized systems if primary sources are not available for coverage and literature analysis.

C. RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code	X	M	A
Classification code common to area covered	X		
Classification code peculiar to system			
Keywords, Additional terms	X		
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: The Oxford System of Decimal Classification for Forestry, Oxford Commonwealth Forestry Bureau, 1954, 115 p. The Oxford System (ODC) forms part of the UDC under UDC 634.0 Forestry.

D. <center>MECHANISATION BASIS</center>

Media used for total record: Computer magnetic tape

Media used for the search record: "

Computer based

Configuration: At the DRZ, Darmstadt: IBM 7094 with two IBM 1401 as satellite units, Telefunken TR 440 for input conversion only

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: No retrieval; compilation of bibliography only.

Reprographic methods used to distribute the output of the system: Computer print out will be reduced in size by photographic means and duplicated by offset machine.

E. <center>OUTPUT TO USER</center>

Output options available: Objective of the system is the compilation of the bibliographic part and the indexes of the bibliography only. The indexes are a tool of search for the users.

Machine-readable format in which output is available:

F. <center>USAGE INFORMATION</center>

Availability of the system: the bibliography, i.e. the output only, is available by subscription to all bodies and individuals interested.

Charge basis to users: Charge per volume (4 numbers) of the "Bibliographie des forst- und hozwirtschaftlichen Schrifttums" DM 32,-

Estimate of input of citations: ca. 50 per day

Estimate of output of citations:

G. <center>RECENT OR PLANNED DEVELOPMENTS</center>

<center>REFERENCES</center>

<center>Compiled by ECE</center>

Name of system:	AUTOMATED SYSTEM OF INFORMATION

Official Abbreviation:	ASI

Address:	Information Center of the Ostrava-Karviná Coal Mines, Ostrava 1, Tř. Čs. legií 5, Czechoslovakia.
Telephone:	25822 25213 82-3103
Telex:	Ostrava 08822
Cable Address:	

Sponsor or controlling body:	Ministry of Industry

Approximate total staff:	15
Approximate annual budget:	500.000 Kcs
Date of first operation:	21. 1. 1969

A. AREA AND PURPOSE OF SYSTEM

Area covered: Deep coal mining and associated fields of interest (coal preparation, strata control, transport, economy, management, geology, drilling, surveying)

Purpose of the System: To transfer necessary information to the management and mining engineers of the coal district of Ostrava-Karviná, as well as to the Research institutes, mining schools and to other coal fields in Czechoslovakia

Kind of co-operation with other information systems: Not yet established

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	Selected material	" "
Technical reports	Extensive	" "
General printed matter	Selected material	" "

(ii) Digested information from other systems:

C. RECORD CONTENT

	A*	B*	C*
Authors	X	O	A
Source	X	O	A
Title i.e. original title	X	O	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code (used with books only)	X	O	A
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Classification basis used: Metodika a Technika Informací 1969, c.11-12, s.60-69

D.

MECHANISATION BASIS

Media used for total record: Computer magnetic tape

Media used for the search record: Computer magnetic tape

Computer based: ICL 1905

Configuration: 6 tape units, 4 input devices, 2 card readers, 2 tape readers

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: 6 magnet units, 1 LP, 1 tape reader

Reprographic methods used to distribute the output of the system: The information up to 30 copies is
        printed on the printer 12 of the computer. Quantities above this number are printed using a
        special matrix at the computer and then copyfied and distributed.

E.

OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:
                                        Printer-output, paper tape, magnetic tape

F.

USAGE INFORMATION

Availability of the system: The system is available both through documentation services and libraries

Charge basis to users: Free of charge

Estimate of input of citations: 25 per day

Estimate of output of citations: 80 per day

G.

RECENT OR PLANNED DEVELOPMENTS

        Further retrieval programme

REFERENCES

Compiled by ECE

XII.

SOCIAL SCIENCE
AND EDUCATION

SCIENCES SOCIALES
ET EDUCATION

Name of system: INTEGRATED SCIENTIFIC INFORMATION SERVICE

Official Abbreviation: I.S.I.S.

Address: CH 1211 Geneve 22

Telephone: 32.62.00

Telex: 22.271

Cable Address:

Sponsor or controlling body: International Labour Office

Approxi·   otal staff: Integrated with library operations

Approxi_a _nnual budget: "   "   "   "   "

Date of first operation: January 1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Labour economics and sociology - Vocational training, etc. - Economic and social development

Purpose of the System:
Act as international clearing house on labour questions

Kind of co-operation with other information systems:
Developing information network with other international organisations, through OECD Development Centre

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Extensive	Several languages
Journals including abstract journals	Selected material	" "
Technical reports	" "	" "
General printed matter	" "	" "

(ii) Digested information from other systems:
will include input from UNIDO, UNCTAD, OECD

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	A,S
Source	X	O	A,S
Title i.e. original title	X	O	A,S
Abstract originated at source			
Abstract originated by system	X	O	A,S
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	A,S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Abstracts in which descriptors are embedded

D.   **MECHANISATION BASIS**

Media used for total record:

Media used for the search record:

Computer based

Configuration: IBM 360/30, 64 K, 2 tape, 5 discs.
1050 terminal, 1403 line printer/1100 Lines/min.

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:
18 K via terminal   3 above to replace system elsewhere
32 K in batch processing

Reprographic methods used to distribute the output of the system:
Printout and/or Xerox (Later microfiche)

E.   **OUTPUT TO USER**

Output options available:
All options available

Machine-readable format in which output is available:
All

F.   **USAGE INFORMATION**

Availability of the system: Available to individuals on request to ILO

Charge basis to users: non at present

Estimate of input of citations: 30 per day

Estimate of output of citations: Some 10-15 Bibliographies/day, containing an average of 70 citations.

G.   **RECENT OR PLANNED DEVELOPMENTS**

Inclusion of data from UNIDO, UNCTAD, OECD

REFERENCES

Compiled by OCDE

Name of System or Service	Automatic Documentation Section, Development Enquiry Service, O.E.C.D. Development Centre.

Official Abbreviation: AUTODOC

Address: 94 rue Chardon-Lagache, Paris XVI, FRANCE.

Telephone: JAS 6519

Telex:

Cable Address:

Sponsor or controlling body: OECD   2, rue André-Pascal, 75-Paris 16e (France)

Approximate total staff: 5

Approximate annual budget:

Date of first operation:

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Economic and Social Development

Purpose of the System: Computer storage and retrieval of OECD documents, development of (1) capacity to process input from compatible systems (2) common retrieval language (3) a documentary software package that can be adapted to various hardware systems.

Kind of co-operation with other information systems:
Software exchange; language development; training in analysis and programming; system application in other environments.

B.   INFORMATION INPUTS

(i)

Sources	Coverage	Language
OECD	Economic and Social Development	E/F
FAO	Agriculture	E
ILO	Labour	E

(ii) **Digested information from other systems:**

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source if input from other systems	X	M	
Abstract originated by system	X	M	
U.D.C. or similar "universal" code			
Classification code common to area covered common to the organisations members of the network	X	M	S
Classification code peculiar to system	X		
Keywords, descriptors, terms	X	M	S
Full text	X		

* A: X = the item is present in the record (input record)
* B: M = the item is mandatory for output
      0 = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D.   **MECHANISATION BASIS**

Media used for total record: DISK

Media used for the search record: DISK

Computer based

Configuration: IBM 360/30   DOS
                   64K

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:
        2 tape drives   Card reader
        1 disk drive + sys   Printer

Reprographic methods used to distribute the output of the system:

E.   OUTPUT TO USER

Output options available:

       Listing
       Magnetic tape file

Machine-readable format in which output is available:
       EBCDIC

F.   USAGE INFORMATION

Availability of the system: Any

Charge basis to users: Free of charge

Estimate of input of citations: Starting period   350

Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

REFERENCES

COMMENTS

See above RECORD CONTENT:

We understand by "mandatory" that the presence of the item is required in the output we produce.

    "Abstract Originated at Source" means synopsis written by our correspondents (not Author abstrac
For us:
    "Abstract Originated by System" means synopsis written by ourselves.

Full text: We mean that the Keywords are contained in a text in natural language.

Compiled by OECD

Name of system:	INTERNATIONAL DATA LIBRARY & REFERENCE SERVICE
Official Abbreviation:	IDLRS
Address:	Survey Research Center, University of California, Berkeley, California.
Telephone:	(415) 642 6571
Telex:	
Cable Address:	.
Sponsor	National Science Foundation
Approximate total staff:	6
Approximate annual budget:	$200,000
Date of first operation:	1961

A. AREA AND PURPOSE OF SYSTEM

Area covered: Social science, focussing on the developing nations

Purpose of the System: Preparation and maintenance of survey data in standardised format for distribution to social scientists for secondary analysis.

Kind of co-operation with other information systems: provision of services to any organisation or individual

B. INFORMATION INPUTS

(i) Sources | Coverage | Language
Journals including abstract journals | Selected material | National language only
Technical reports | " " | " " "

(ii) **Digested information from other systems:** Codebooks and data from survey studies

C. RECORD CONTENT

	A*	B*	C*
Authors	X	M	S
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source	X	*	
Abstract originated by system	X	*	
U.D.C. or similar "universal" code			
Classification code common to area covered	X	M	S
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* if codebook is machine-readable

* A: X = the item is present in the record
* B: M = the item is mandatory for output
  O = the item is optional for output
* C: S = the item is used for search
  A = the item is available for search

Surveys are classified by nation where they were conducted. There are few enough surveys that this is adequate, since all are social science and most are sociological.

Classification basis used:

D.   **MECHANISATION BASIS**

Media used for total reoord: Visible records, 80-column cards, computer magnetic tape; they are stored in both and output can be requested in either (plus disc)

Media used for the searoh record: Visible records

Computer based   Yes

Configuration: one 360/40, and   ) c tape drives, lots of disc, all in/out puts
two CDC 6400   )

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: Our search program isn't perfected yet.   If you have a spare £50,000, I think that might do it.

Reprographic methods used to distribute the output of the system:
Courier/U.S. Mail

E.   **OUTPUT TO USER**

Output options available: Tape, cards, disc

Machine-readable format in which output is available: It is.

F.   **USAGE INFORMATION**

Availability of the system: Available to individuals directly, request made on our forms

Charge basis to users: Reproduction costs

Estimate of input of citations: 3 per day

Estimate of output of citations: 3 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

1. A new catalogue
2. Latin American Data Bank - package of 30 studies of LA University students and of social stratification; all cleaned and with machine-readable codebooks, for £250 including transportation.

REFERENCES

Name of System: Centrum voor sociaal-wetenschappelijke Documentatie en literatuurinformatie i.o.

Official Abbreviation:

Address: Keizersgracht 569-571, Amsterdam - C.

Telephone: 020 - 234698

Talex:

Cable Address:

Sponsor or controlling body:

Approximate total staff: 7 (1970)

Approximate annual budget: ± Dfl. 300.000.

Date of first operation: 1971

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Social sciences (sociology, social anthropology, psychology, pedagogics, political sciences, administration sciences, management).

Purpose of the System: For lack of an up-to-date international system covering a satisfactory amount of information on social science literature from Europe in general and from the Netherlands especially, many organisations in the Netherlands have set up documentation services. Purpose of the Centre for social science documentation is the creation of one Information Centre based on the material of the existing documentation kind of co-operation with other information systems: Services.
The information of the Centre will be based on abstracts made in the existing documentation services. For very specific literature the Centre will refer to the specialised documentation services.

B.   INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Selected material	Several languages
Journals including abstract journals	Extensive	"
Technical reports	Extensive	"
Current research projects	Extensive	National language only

(ii) **Digested information from other systems:** with the exception of its own documentation of current research projects, of doctoral theses and of the reports on concluded research projects, the Centre will for further information depend on other documentation services in the Netherlands.

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	
Title i.e. original title	X	M	
Abstract originated at source	X	O	
Abstract originated by system			
U.D.C. or similar "universal" code	X	O	
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: A good many documentation services in the Netherlands use U.D.C. A given U.D.C. number will be included in the system; for references without a given U.D.C. indication the application of U.D.C. numbers is being considered. The system will be based on descriptors.

D.   **MECHANISATION BASIS**

Media used for total record: Paper tape, Visible records

Media used for the search record: will be used: Visible records, computer magnetic tape

Computer based Configuration: Computer will print out keyword indexes with the registration numbers of literature references out of paper tape. These indexes will be made cumulative.

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system:

E.   **OUTPUT TO USER**

Output options available:

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

Availability of the system: System will/not be available through documentation services only

Charge basis to users: None in experimental stage

Estimate of input of citations:

Estimate of output of citations:

G.   **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Compiled by OECD

Name of system:	EDUCATIONAL RESOURCES INFORMATION CENTER

Official Abbreviation:	ERIC

Address:	U.S. Office of Education
	National Center for Educational Communication
	400 Maryland Ave., SW.
Telephone:	Washington, D.C. 20202 202-962-0104

Telex:

Cable Address:

Sponsor or controlling body: National Center for Educational Communication, U.S. Office of Education

Approximate total staff: 8 in central office;   100 in system

Approximate annual budget: $5 million dollars

Date of first operation: 1966

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Education.   A network of 20 Clearinghouses, each specializing in an area of education, comprise the ERIC system.

Purpose of the System: ERIC is a national information system designed to provide ready access to results of exemplary programs, research and development efforts and related information that can be used in developing more effective educational programs.   Through a network of 20 specialized clearinghouses current signifi- cant information relevant to education is monitored, acquired, evaluated, abstracted, indexed and listed in Kind of co-operation with other information systems: ERIC reference products.

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Educational institutions, State Departments of Education, Research Organizations, etc.	Report Literature, Periodical Literature, Speeches, Conference Papers, etc. On-going research funded by U.S.O.E.	English primarily, Foreign language documents accepted

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	M	S/A
Source	X	O	S/A
Title i.e. original title	X	O	S/A
Abstract originated at source	X	O	S/A
Abstract originated by system	X	O	S/A
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	O	S/A
Full text	X		

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D.   MECHANISATION BASIS

Media used for total record: Magnetic tape (9 channel, 800 b.p.i.)

Media used for the search record: Magnetic tape (9 channel, 800 b.p.i.)

Computer based

Configuration: IBM 3665/OSMFP

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:
          To search: IBM 3620/32K core or Spectra 70 32 K core
          To replicate: IBM 3665/Os 512 K core

Reprographic methods used to distribute the output of the system:

     Line printers, Photon, Linofilm, Linotron, Microfiche, hardcopy

E.   OUTPUT TO USER

Output options available: Printed Indexes (Research in Education, Current Index to Journals in Education)
                           computer terminal with CRT
                           Lineprinter

Machine-readable format in which output is available: In accession number sequence in the form of one or more IBM System /360 Operating System variable length records.   Each ERIC Report Resumé equals one record on magnetic tape.   These records are grouped in variable lengths of 32,000 byts.   Standard OS/360 tape labelling conventions are used.

F.   USAGE INFORMATION

Availability of the system: ERIC System in Public Domain

                    A standing order (purchase of all titles in a given document collection) costs 11¢ per
Charge basis to users: fiche, while individual titles cost 25¢ per fiche.   Hard copy (at about 70% of full size) costs 5¢ per page.   Detailed ordering information is provided in each issue of RIE or in each index to special collections developed by ERIC.
Estimate of input of citations: 40,000 per year.

Estimate of output of citations: 40,000 per year.

G.   RECENT OR PLANNED DEVELOPMENTS

                   On-line computer searching; development of state information networks.

REFERENCES

        Harvey Marron: "ERIC ...... A National Network to Disseminate Educational Information"
                         Special Libraries 59: No. 12, pp. 775-782, Dec. 1968.

                                                                          Compiled by OECD

Name of System: BIBLIOGRAPHIE PADAGOGIK

Official Abbreviation: bp

Address: 1 Berlin 31, Berliner Str. 40/41 (Germany)

Telephone: 86 03 31

Telex: _

Cable Address: _

Sponsor or controlling body: Pädagogisches Zentrum aa.editor of the bp aa a co-operative effort of 11 educational inatitutions (10 German, 1 Austrian) joined in the "Dokumentationaring Pädagogik."

Approximate total staff: 27

Approximate annual budget:

Date of first operation: 1.1.1966

A. AREA AND PURPOSE OF SYSTEM

Area covered: Education, educational psychology, educational aociology, particularly covering German-language literature

Purpose of the Syatem: Baaic atorage of educational literature for German-speaking users; documentation in programmed inatruction(PZ), modern foreign language teaching (Marburg), educational television (Munich), youth reaearch and youth poli.y (Munich)

Kind of co-operation with other information ayatema: Co-operation within the Dokumentationsring Pädagogik

B. INFORMATION INPUTS

(i)
Sources	Coverage	Language
Booka including bibliographiea	Selected	Several
Journala including abstract journals	Selectel	Several
Technical reports	Partial	Several
General printed matter	Partial	Several
Manuscripts	Partial	Several

(ii) Digested information from other systems:

Not yet in the system

C. RECORD CONTENT

	A*	B*	C*
Authors	X		
Source	X		
Title i.e. original title	X		
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Claasification code common to area covered			
Classification code peculiar to ayatem		M	S
Keyworda, descriptors, terma		M	S
Full text			

* A: X = the item ia preaent in the record
* B: M = the item ia mandatory for output
      O = the item ia optional for output
* C: S = the item ia uaed for aearch
      A = the item ia available for search

Claaaification baaia uaed: Since 1966 an alphabetical liat of descriptors was used. Since July 1968 an attempt haa been made to develop a Gorman thesaurus of education. For this purpose the "Informatlon Retrieval Theaaurus of Education Terma" by Bahrydt, Schmidt and Chang, Case Western Reaerve University,Cleveland, Ohio waa uaed as a model. The German thesaurus of education will be a macro-thesaurus allowing micro-theaauri to be co-ordinated with this macro-theaaurus.

D.   MECHANISATION BASIS

Media used for total record: Visible records, punched tapes, 80-column cards

Media used for the search record: Visible records, punched tapes, 80-column cards

Computer based

Configuration: Programmes are being developed for Telefunken TR 4

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

Reprographic methods used to distribute the output of the system: Citations on punched tapes are sorted
by hand to produce a long punched tape that is used to produce pages (DIN A 3). These pages are reduced
to DIN A 4 for photomechanical printing. This procedure will be changed when a computer programme for
processing of citations is used.

E.   OUTPUT TO USER

Output options available: Machine output (printed bibliography) will presumably be available by
summer 1971 with over 12,000 citations annually

Machine-readable format in which output is available: Form t according to Regeln für Maschinengerechte
Titelaufnahme

F.   USAGE INFORMATION

Availability of the system: The bibliography is available through documentation services and through
libraries.

Charge basis to users:

Estimate of input of citations: over 1,000 citations per month

Estimate of output of citations:

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6.   RECENT OR PLANNED DEVELOPMENTS

                  Preparations of computer programme and thesaurus are such that - beginning
with the analysis for literature 1971 (e.g. April or May 1971) - the punched tapes can be processed
by a computer for the production of the bibliography. Further developments in 1971 ff. include attempts
of retrieval and some time later possible for SDI. It will also be necessary to develop concordances
of different thesauri and to make use of algoriths (such as developed by the Language Information
Network and Clearinghouse System) for the attempt to link the educational macro thesaurus with micro
thesauri of specialised fields.

Name of the system: DOKUMENTATIONARING BETRIEBSWIRTSCHAFT

Official Abbreviation:

Address: Leitstelle: Rationalisierungs-Kuratorium der dtsch.
          Wirtschaft e.V., 6 Frankfurt/M, Gutleutstr. 163, Germany

Telephone: 230451

Telex: ERKAWE / FS 41 1154 rkw fm d

Cable Address:

Sponsor or controlling body:

Approximate total staff: 5 persons

Approximate annual budget: 150 000 DM

Date of first operation: 1.1.1968

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Management science and Administration, Marketing, ADV-application in enterprises and
public adminsitrations, Supply and Logistics, Personal Management, Commercial problems of branches

Purpose of the System: Documentation and information in the field of Management for the use in
science, research and public administrations.

Kind of co-operation with other information systems: Cooperation in analysis of periodicals with 15
Documentation-Centres in Gemany and 8 in Europe.

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

Books including bibliographies   Exhaustive   National language only
Journals including abstract journals   "   Several languages
General printed matter   partial   "   "

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	x	O	
Source	x		
Title i.e. original title	x		
Abstract originated at source			
Abstract originated by system	x		
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	x	O	A
Keywords, descriptors, terms	x	O	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

0 Basic management Theories
1 General Management
2 Material Management
3 Personnel Management
4 Marketing Management
5 Financial Management
6 Accounting
7 Production Magagement
8 Information and Administration
9 Environment of Business

D.   MECHANISATION BASIS

Media used for total record: Computer magnetic tape, File cards

Media used for the search record: File cards

Computer based

Configuration: 1) Input IBM 7765 (paper tape inpv , 8-channel); 2) IBM 1460, 16 K, IBM 729 (VI) tape unit conversion GIER 3000 (7-track to 9-track magnetic tape; 3) IBM 360/30; 4) Conversion GIER 3000 (9-track magnetic tape to TTS-paper tape, 6-channel)

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere: IBM 1460, 16 K
                         GIER Converte 3000

Reprographic methods used to distribute the output of the system:
1) Titel Bibliographie ZID, printed with aids of 6-channel TTS-tape by Lynotype-printer
2) Documentation file-cards, printed by Xerox off set-technique

E.   OUTPUT TO USER

Output options available: About 1200 titles in bibliographies appears 8 times a year.
Neue Betriebswirtschaft
Zeitschrifteninformationsdienst (Zid)
Heidelberg, Verlagsgesellschaft Neue Betriebswirstschaft

Machine-readable format in which output is available: Computer magnetic tape.

F.   USAGE INFORMATION

Availability of the system: only for members of the ring

Charge basis to users: Free for members of the Documentation-Ring

Estimate of input of citations: 25 per day

Estimate of output of citations: 60 per day

G.   RECENT OR PLANNED DEVELOPMENTS

                                          REFERENCES

                                                              Compiled by ECE

Name of system:	NEW BOOKS ABROAD

Official Abbreviation:	GIPSY

Address:	State Library CSR, Klementinum 190, Praha 1, Staré mesto, Czechoslovakia.

Telephone:	234545

Telex:	Praha, Státní knihovna ČSR

Cable Address:

Sponsor or controlling body: State Library CSR (during development Federal Office for Technical Development)

Approximate total staff:	12
Approximate annual budget:	200.000 Kos
Date of first operation:	1. 1. 1969

A. 							AREA AND PURPOSE OF SYSTEM

Area covered: Politics, history, sociology, psychology, pedagogy

Purpose of the System: To inform about the new books abroad in chosen subjects

Kind of co-operation with other information systems:

B. 							INFORMATION INPUTS

(i) 		Sources					Coverage					Language
	Books including bibliographies		Selected material			Several languages

(ii) Digested information from other systems:

C. 							RECORD CONTENT

	A*	B*	C*
Authors	X	M	A
Source	X	M	A
Title i.e. original title	X	M	A
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code	X	M	A
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	X	M	A
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: UDC

D.
<div align="center">MECHANISATION BASIS</div>

Media used for total record: Computer magnetio tape

Media used for the searoh record: Visible reoords, Computer magnetio tape

Computer baeed: IBM 1410

Configuration: 40,000 inner memory, 1 punoh card unit IBM 1402,
8 magnetio tape units, 729,5 diso units IBM 1311
/not used in this applioation/, 1 printer IBM 1403

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: GIPSY is no used for retrieval

Reprographic methods used to dietribute the output of the system: XEROX

E.
<div align="center">OUTPUT TO USER</div>

Output options available: Cards with bibliographio items, bibliographic texte with various indexes,
magnetic tapes

Machine-readable format in which output is available:

F.
<div align="center">USAGE INFORMATION</div>

Availability of the system:

Charge basis to users:

Estimate of input of oitations: 600 per quarter

Estimate of output of citations: 600 per quarter with indexes

G.
<div align="center">RECENT OR PLANNED DEVELOPMENTS</div>

Gradually to enlarge the subjeot fields

<div align="center">REFERENCES</div>

<div align="right">Compiled by ECE</div>

Name of System: POLITISCHE DOKUMENTATION

Official Abbreviation: pol dok

Address: D 1000 Berlin 45 (Lichterfelde), Paulinenstrasse 22 (Germany)

Telephone: (0311) 73 78 28

Telex: -

Cable Address: -

Sponsor or controlling body: Leitstelle Politische Dokumentation, Freie Universität, Berlin

Approximate total staff: 4

Approximate annual budget: 100,000 DM

Date of first operation: 1.6.1965

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Politics and political science (Politik und politische Wissenschaft)

Purpose of the System: Edition of an abstract review in co-operation with about 50 scientists of scientific
institutions in political science, mainly within the Federal Republic of Germany.

Kind of co-operation with other information systems: Exchange agreements with Peace Research Abstracts,
Kanada und International Political Science Abstracts, Oxford

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

      Journals including abstract journals   Selected   German

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	X		
Source	X		
Title i.e. original title	X		
Abstract originated at eource			
Abstract originated by system	X		
U.D.C. or similar "universal" code			
Classification code common to area covered	X		S
Classification code peculiar to system	X		S
Keywords, descriptors, terms	X		S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used:

D.   MECHANISATION BASIS

Media used for total record: Computer magnetic tape (proposed second stage)

Media used for the search record: Computer magnetic tape (proposed first stage)

Computer based

Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: It is proposed to use the larger computer CDC 3300 of the
                        Freie Universität Berlin

Reprographic methods used to distribute the output of the system:
  Offset method - Platemaster and Rotaprint Sy 40

E.   OUTPUT TO USER

Output options available:

Machine-readable format in which output is available:

F.   USAGE INFORMATION

Availability of the system: It can be ordered through Verlag Dokumentation, 8023 München-Pullach,Postfach 148

Charge basis to users: Yearly subscription rate 180.00 DM

Estimate of input of citations: 7/8 per day

Estimate of output of citations: 150 abstracts per month

G.   RECENT OR PLANNED DEVELOPMENTS

        The CDC 3300 computer of the Freie Universität Berlin will be used.

                                            REFERENCES

                                                                            Compiled by ECE

Name of System: SUPREME CASSATION COURT LAW RESEARCH DATA PROCESSING SYSTEM

Official Abbreviation: -

Address: Palazzo de Giustizia, Piazza Cavour, 00100 Rome (Italy)

Telephone: 564 615

Telex: -

Cable Address: -

Sponsor or controlling body: Supreme Cassation Court

Approximate total staff: 25

Approximate annual budget: Included in the Supreme Cassation Court budget

Date of first operation: May 1970

A.   AREA AND PURPOSE OF SYSTEM

Area covered: All Court   sentences

Purpose of the System: To provide the precise retrieval of existing data

Kind of co-operation with other information systems: -

B.   INFORMATION INPUTS

(i)	Sources	Coverage	Language
	Manuscripts (summarised Court sentences)	Extensive	Italian

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source	X	O	A
Title i.e. original title			
Abstract originated at source	X	O	A
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	O	A
Summary of Court sentences	X	O	A

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Specific thesaurus and key words

D. **MECHANISATION BASIS**

Media used for total record: 80-column cards, computer magnetic tape, discs, cores

Media used for the search record: 80-column cards, computer magnetic tape, remote transmitting of questions to digit or key board terminals

Computer based   UNIVAC 9300

Configuration: 16 K Core, 1 printer, 1 card sealer

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:
UNIVAC 1108 EXEC 8

Reprographic methods used to distribute the output of the system:

E. **OUTPUT TO USER**

Output options available: Complete text of documents

Machine-readable format in which output is available:

F. **USAGE INFORMATION**

Availability of the system: Supreme Cassation Court only

Charge basis to users: -

Estimate of input of citations: 50 per day

Estimate of output of citations: 500 per day

G. **RECENT OR PLANNED DEVELOPMENTS**

Improvement of the existing thesaurus

REFERENCES

E. Laporta et al: "Law Research Data Processing System" Rome, Stampia Nazionale, 1969

Compiled by ECE

XIII.

MULTIDISCIPLINARY

DCMAINE MULTIDISCIPLINAIRE

Name of System: COMPUTER SOFTWARE MANAGEMENT AND INFORMATION CENTER

Official Abbreviation: COSMIC

Address: Barrow Hill, University of Georgia, Athens, Georgia 30501

Telephone: (404) 542-3265

Telex:

Cable Address:

Sponsor or controlling body: University of Georgia

Approximate total staff:

Approximate annual budget:

Date of first operation:

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Computer programs

Purpose of the System: To prepare abstracts of computer programs submitted by government and non goverment
services and to disseminate these computer programs on request.   Acts as a clearing house through which
government and some non-government developer computer software is made available to the public.   Affiliated
                                                                        with NASA, DOO & AEC
Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language
        Computer programmes   U.S. Govt. developed programs   English only

(ii) Digested information from other systems: All of it

C.   RECORD CONTENT

	A*	B*	C*
Authors			
Source			
Title i.e. original title			
Abstract originated at source	X	M	S
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used:

D.   MECHANISATION BASIS

    Media used for total record:

    Media used for the search record:

    Computer based

    Configuration:

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere:

    Reprographic methods used to distribute the output of the system: Printed form only

---

E.   OUTPUT TO USER

    Output options available: - Engineering and SDI Services - Abstracts prepared from computer program
                                                                                documentation.
        (Published in Computer Program Abstracts by the government printing office in Washington, D.C.)

    Machine-readable format in which output is available: Printed form only

---

F.   USAGE INFORMATION

    Availability of the system: On request

    Charge basis to users: Free

    Estimate of input of citations:

    Estimate of output of citations:

G.   RECENT OR PLANNED DEVELOPMENTS

    USA Government developed programs growing to thousands.

REFERENCES

Compiled by OECD

Name of system:	AUTOMATED SYSTEM FOR SORTING INFORMATION
Official Abbreviation:	ASTI
Address:	Laboratory for Computing Technique, Technical University, Brno, Tr.Obr. míru 21, Czechoslovakia
Telephone:	25829
Telex:	
Cable Address:	

Sponsor or controlling body:

Approximate total staff:

Approximate annual budget:

Date of first operation: 1967

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Multidisciplinary

Purpose of the System: Retrieval and information service (Alphanumerical documents of general type)

Kind of co-operation with other information systems: Transformation system

B.   INFORMATION INPUTS

(i)   Sources   Coverage   Language

   Books including bibliographies   Selected material   Several languages
   Journals including abstract journals Partial   "   "

(ii) Digested information from other systems: ARDIS (Automated retrieval, documentation and information
                                               system)   GIPSY

C.   RECORD CONTENT

	A*	B*	C*
Authors	X	O	S
Source	X	O	S
Title i.e. original title	X	O	A
Abstract originated at source	X	O	A
Abstract originated by system			
U.D.C. or similar "universal" code	X	O	S
Classification code common to area covered	X	O	A
Classification code peculiar to system	X	O	A
Keywords, descriptors, terms	X	O	S
Full text	X	O	A

* A: X = the item is present in the record
* B: M = the item is mandatory for output
       O = the item is optional for output
* C: S = the item is used for search
       A = the item is available for search

Classification basis used: Various types of classification

D.   MECHANISATION BASIS

    Media used for total record: Computer magnetic tape

    Media used for the search record: Computer magnetic tape

    Computer based: Data SAAB D 21

    Configuration: 32 K, 6 mgt, FS 1500, ANELEX

    Minimum configuration required to search the files for retrieval purposes or to replicate the system
    performance elsewhere: D-21, 4 mgt, 32 K

    Reprographic methods used to distribute the output of the system: Printer-output or paper tape

___

E.   OUTPUT TO USER

    Output options available:

    Machine-readable format in which output is available:

___

F.   USAGE INFORMATION

    Availability of the system:

    Charge basis to users: 1,500 Kcs/h

    Estimate of input of citations:

    Estimate of output of citations:

___

G.   RECENT OR PLANNED DEVELOPMENTS

                              Further control programmes, etc.

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                                      REFERENCES

Name of the System : UNION CATALOG OF TRANSLATION

Official Abbreviation: UEP

Address: Praha;1, Nám.prim. Vaoka, Czechoslovakia

Telephone: 233351-4

Telex:

Cable Address:

Sponsor or controlling body: Centre for scientific, economic and technical information
State technical library

Approximate total staff: 5

Approximate annual budget: 1,3 mil. Kos

Date of first operation: 1.1.1969

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Multidisciplinary

Purpose of the System: Control of translating activity and information service

Kind of co-operation with other information systems:

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Books including bibliographies	Selective	
Journals including abstract journals	"	
Technical reports	"	
General printed matter	"	

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	x	M	S
Source	x	M	S
Title i.e. original title	x	M	S
Abstract originated at source			
Abstract originated by system	x	M	A
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms	x	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
     O = the item is optional for output
* C: S = the item is used for search
     A = the item is available for search

Classification basis used: descriptor analysis
                               open descriptor thesaurus

D.   **MECHANISATION BASIS**

    Media used for total record: Computer magnetic tape

    Media used for the search record: "

    Computer based   DATA SAAB D 21

    Configuration:

Minimum configuration required to search the files for retrieval purposes or to replicate the system performance elsewhere:

Reprographic methods used to distribute the output of the system: Ofset

E.   **OUTPUT TO USER**

    Output options available:

Machine-readable format in which output is available:

F.   **USAGE INFORMATION**

    Availability of the system:

    Charge basis to users:

    Estimate of input of citations: 100 per day

    Estimate of output of citations: 100 per day

G.   **RECENT OR PLANNED DEVELOPMENTS**

REFERENCES

Compiled by ECE

Name of System : AUTOMATIZED INFORMATION AND DOCUMENTATION SYSTEM

Official Abbreviation: AIDS

Address: Central Committee for development of automation and computer technique,
Revoluční 24, Praha 1, Czechoslovakia

Telephone: 381445

Telex: 12158 UVTA

Cable Address:

Sponsor or controlling body: Federal office for technical development

Approximate total staff:

Approximate annual budget:

Date of first operation: 1968

A.   AREA AND PURPOSE OF SYSTEM

Area covered: Computing technique and automation

Purpose of the System: Information storage, retrieval and dessimination in given disciplinae

Kind of co-operation with other information systems: data exchange

B.   INFORMATION INPUTS

(i) Sources	Coverage	Language
Journals, including abstract journals	Selected	Several languages
Technical reports	Exhaustive	"
General printed matter	"	"
Manuscripts	Selected	"

(ii) Digested information from other systems:

C.   RECORD CONTENT

	A*	B*	C*
Authors	x	M	S
Source	x	M	S
Title i.e. original title	x	M	S
Abstract originated at source			
Abstract originated by system	x	M	S
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system	x	M	S
Keywords, descriptors, terms	x	M	S
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
      O = the item is optional for output
* C: S = the item is used for search
      A = the item is available for search

Classification basis used: Descriptor analysis

D.   **MECHANISATION BASIS**

Media used for total record: Computer magnetic tape, other computer storage, interchangeable, e.g. discs
                             paper tape
Media used for the search record: as above

Computer based

Configuration: DATA SAAB D 21 /D 22/
                 ICL 1904
                 Min. 32 K 6 mgt /4 mgt, 2 d/, punch units, conventors, printers

Minimum configuration required to search the files for retrieval purposes or to replicate the system
performance elsewhere: 6a/

Reprographic methods used to distribute the output of the system:
                 Computer printer output printed by offset

E.   **OUTPUT TO USER**

Output options available: may be chosen in large variations

Machine-readable format in which output is available: if desired /paper tapes or mgt./

F.   **USAGE INFORMATION**

Availability of the system: through the branch inf. unit

Charge basis to users:

Estimate of input f citations: 2000 monthly

Estimate of output of citations:

G.   **RECENT OR PLANNED DEVELOPMENTS**

                 arther improving and enlarging of the system

                                         REFERENCES

                                                                    Compiled by ECE

Name of system: STÁTNÍ KNIHOVNA ČESKÉ SOCIALISTICKÉ REPUBLIKY
STATE LIBRARY OF THE CZECH SOCIALIST REPUBLIC

Official Abbreviation: SK ČSR

Address: Praha 1, Klementinum 190, Czechoslovakia

Telephone: 234545 - 9

Telex: sk čssr 0116

Cable Address:

Sponsor or controlling body: Ministry of Culture of the CSR

Approximate total staff: 470

Approximate annual budget: 30 mil. Kčs

Date of first operation: 1958 (year of the foundation of the State Library of the CSR by the unification of the former research libraries: University Library, National Library, Slavonic Library, Central Economic Library

A. AREA AND PURPOSE OF SYSTEM

Area covered: Social sciences, natural sciences

Purpose of the System: The main tasks of the State Library of the CSR are given (a part of the task of a central library) by its function as a national library (collecting and conservating all Czech literature, publishing the national bibliography) and a central research library (collecting and processing the most important foreign literature)

Kind of co-operation with other information systems: As the central library within the unified Czech library systems the State Library of the CSR is the centre for co-ordinating bibliographies, scientific research work and methodological aid, international exchange and acquisition, union catalogue of foreign literature, international and inter-library loan service, conservation and restauration of book stocks, etc.

B. INFORMATION INPUTS

(i)

Sources	Coverage	Language
Books including bibliographies	Extensive Selected material	National and other languages
Journals including abstract journals	Extensive Selected material	National and other languages

(ii) **Digested information from other systems:**

C. RECORD CONTENT

	A*	B*	C*
Authors	.		
Source			
Title i.e. original title			
Abstract originated at source			
Abstract originated by system			
U.D.C. or similar "universal" code			
Classification code common to area covered			
Classification code peculiar to system			
Keywords, descriptors, terms			
Full text			

* A: X = the item is present in the record
* B: M = the item is mandatory for output
    O = the item is optional for output
* C: S = the item is used for search
    A = the item is available for search

Classification basis used: UDC + subject cataloguing

D. **MECHANISATION BASIS**

<u>Media used for total record:</u>   Visible records (usual card catalogues) - Computer magnetic tape used for
<u>Media used for the search record:</u> special purposes, e.g. for the processing of the selection bibliography
Visible records   system GIPSY

Computer based: IBM 1410 for the system GIPSY

Configuration:

<u>Minimum configuration required to search the files for retrieval purposes or to replicate the system</u>
<u>performance elsewhere:</u>

<u>Reprographic methods used to distribute the output of the system:</u>

E. **OUTPUT TO USER**

<u>Output options available:</u>   All services usually expected from a scientific research library
                              of universal type

<u>Machine-readable format in which output is available:</u>

F. **USAGE INFORMATION**

<u>Availability of the system:</u>

<u>Charge basis to users:</u>

<u>Estimate of input of citations:</u>

<u>Estimate of output of loans:</u>   2,900 per day

G. **RECENT OR PLANNED DEVELOPMENTS**

          At the end of the year 1970 the actual number of 4,120,925 volumes (31.12.1969)
   should have, according to the plan of the State Library of the CSR, be increased by 93,000 new acquisitions;
   over 700,000 visitors, over 900,000 loans, approximately 120,000 bibliographical information and publication
   of 37 bibliographies and other periodicals and 45 non-periodical publications with 30,000 pp. all
   together.
                                      REFERENCES