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ABSTRACT

This pamphlet provides the titles of career information literature available from 65 agencies and organizations. Included are entries for 26 science and science-related fields, with addresses for ordering the literature directly from the publishing organizations given in the appendix. (PR)

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NOTE: Manufacturing Chemists Association distributes only its own materials. Please send your requests for other titles directly to the issuing organizations.

For your convenience, an order code for each title refers you to the proper address in the appendix.

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TO THE STUDENT

Each year the Manufacturing Chemists Association receives many requests from students for information on careers not only in chemistry but also in other sciences. We have prepared this booklet as an attempt to help you find the publication you need as you plan your career.

We hope that this guide not only acquaints you with the literature available but also encourages you to initiate contacts with the men and women who have chosen the career which now attracts you. Your own career planning will lead you to counselors and descriptive booklets. In addition, we believe you should visit laboratories, industrial plants, etc., to talk with men and women who have found success and personal fulfillment in these fields; visit colleges and universities to talk with the students who are preparing themselves for a career. Since you will pursue your career in society, ask people in other walks of life for their image of the profession which now attracts you. "Sources of Career Information in Scientific Fields" serves you well if it initiates such a process of inquiry.

We hope also that your curiosity will lead you to the further question: *What is a career?* There are so many meanings and connotations of vocation, profession, job. The words and concepts can be confusing. A *career* in science is much more than the kind of *job* which requires very specialized and often static skills and training; it can be less than a *vocation* or irrevocable commitment to one state of life or course of action. Those who are *professional* scientists are involved in research, development, administration, teaching, marketing, production, pollution control, politics, government, military, church, etc.; many individuals have developed exciting *careers* through the creative interchange of these involvements. At the present time (1971) the job shortage in science and technology is a source of discouragement for many highly-qualified students; many feel, however, that the shortage may be temporary and that even now there are many opportunities if one is willing to "develop a confidence and a motivation toward applying his knowledge in a broader sphere of man's endeavors."*

This guide is by no means exhaustive. A more comprehensive publication, *Keys to Careers in*

* See "Editorially Speaking" in the *Journal of Chemical Education*, Volume 48, page 147, March, 1971

Science and Technology, giving a brief description of career guidance materials, award programs, scholarships, etc., is available from the National Science Teachers Association, 1201 Sixteenth Street, N.W., Washington, D.C. 20036 at \$1.00 per copy.

**AN EDUCATION SERVICE OF
MANUFACTURING CHEMISTS ASSOCIATION**

(As many as six copies of this booklet will be furnished without charge to any one school or other educational institution.)

SPECIAL NOTE

Several organizations offer publications on careers in the scientific fields, too numerous to list in their entirety in this brochure. Some of them considered to be of special interest, however, are given individual listing. To obtain information on all titles made available by two such organizations, interested persons are urged to contact Science Research Associates, Inc., asking for its Order Form on Occupational Briefs and/or Bureau of Labor Statistics, Occupational Outlook Service, U.S. Department of Labor, requesting its list of occupational outlook publications which includes many science-related fields.

AGRICULTURE

**ORDER
CODE***

Employment Outlook: Agriculture Bulletin 1650-106 (20¢ each)	43
A Soil Science Career for You in SCS (10¢), Office of Information, U.S. Department of Agriculture	40

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ASTRONOMY		ORDER CODE*
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AVIATION AND SPACE

Aviation—Where Career Opportunities Are Bright, Counselor's Guide (\$3.00)	48
Careers in Aviation (25¢)	48
Career Opportunities in Aviation (50¢)	48
Employment Outlook for Aircraft, Missiles and Spacecraft Manufacturing Occu- pations (15¢)	40
Seven Steps to a Career in Space Science and Technology	47

BIOLOGICAL SCIENCES

Biochemist, #B-101 (35¢)	26
Biochemist, Title #132 (35¢)	27
Biology	57
Biology and Your Career	43
Career as a Biological Scientist (50¢)	25
Employment Outlook: Life Science Occu- pations, Bulletin 1650-25 (15¢)	43
Microbiologist, Title #135 (35¢)	27
Microbiology	57

CHEMISTRY

The following booklets are available from the Manufacturing Chemists Association, 1825 Connecticut Avenue, N.W., Washington, D.C. 20009:

A Bright Future for You as a Chemical Technician. Up to 6 copies free to any one school; additional copies, 25¢ ea.

Careers Ahead in the Chemical Industry (for senior-high level). Up to 6 copies free to any one school; additional copies, 15¢ ea.

A Dozen Reasons Why Young People Choose Chemical Industry Careers. 4-page flyer free on request

Educational Publications Available from the Chemical Industry. Single copies free to educators

Film Guide to Chemicals, Chemistry and the Chemical Industry (Vocational Guidance section). Single copies free to educators

Chemistry Projects and Science Fairs. Up to 6 copies free; additional copies 6¢ ea.

	ORDER CODE*
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Chemical Technician, Title #66 (35¢)	27
The Chemist at Dow	33
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Chemist	37
Chemistry	57
Employment Outlook: Physical Scientists, Bulletin 1650-26 (15¢)	43
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Is Chemical Technology the Career for You? (15¢) (single copies free)	3

DENTISTRY

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The Challenge of Dentistry	4
Dental Admission Testing Program	4
Dental Technician, Career Summary, #S-174 (20¢)	26
Dentist, #B-54R (35¢)	26
Dentist, #59 (35¢)	27

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Careers in Dietetics (35¢)	25
Dietetics: How Sweet It Is	5
Dietitian, #B-20R (35¢)	26
Dietitian, #76 (35¢)	27

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Career Booklets Dealing with the Earth Sciences (26 titles)	6
Earth Scientists, #B-184 (25¢)	26
Geology-Science and Profession (for high school students) (25¢)	6
The Sphere of the Geological Scientist (for college students) (40¢)	6

ENGINEERING

After High School What? (15¢)	36
Agricultural Engineer, Career Summary #S-63 (35¢)	26
Agricultural Engineering Career Materials	46
Agricultural Engineering: The Profession with a Future	20
Careers for Women, Why Not Be: An Engineer? (5¢)	40
Ceramic Engineer, Career Summary #S-22R (20¢)	26
Chemical Engineering At Dow	33
Chemical Engineer, Title #160 (35¢)	27
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Civil Engineer, #B-56R (35¢)	26
Engineering at Dow	33

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Engineering Education in Plastics	62
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Employment Outlook: Engineers, Bulletin 1650-23 (15¢)	43
Mechanical Engineering at Dow	33
Mechanical Engineer, Career Summary S-171 (20¢)	26
Mining Engineer, Career Summary S-90 (20¢)	26
Petroleum Engineer, Career Summary S-210 (20¢)	26
Sources of Career Information on Engineering Technology	36
Your Future at General Mills: Research, Engineering and Operations	38

ENVIRONMENTAL SCIENCE

Employment Outlook: Environmental Scientists, Bulletin 1650-24 (15¢)	43
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HEALTH PROFESSIONS (General)

A Career for You as a Certified Laboratory Assistant	59
Careers in the Medical Laboratory	59
Careers in Physical Therapy	18
Career Opportunities in Hospitals (free, single copies only)	56
Careers in the Medical Services of the U.S. Armed Forces: Registered Nurse; Dietitian; Occupational Therapist; Physi- cal Therapist	32
Careers in Nutrition	7
Careers in Physiology	19
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Four Futures: Nursing Profession; Occupa- tional Therapy, Dietetic Profession	32

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Mental Health Jobs Today and Tomorrow, #384 (25¢)	58
Psychiatrist, Career Summary #S-279 (20¢)	26
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MATHEMATICS

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Employment Outlook: Mathematicians and Related Occupations, Bulletin 1650-37 (15¢)	43
How About A Career With Mathematics?	45
Is Math in the Stars for You? (5¢)— Women's Bureau, U.S. Department of Labor	40
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Medical Technology	57
Physician, #B-60R (35¢)	26
Wanted: Medical Technologists (No. 442) by Elizabeth Ogg (25¢)	58
What Kind of a Career Could I Have in a Medical Laboratory?	59
Why Not Be A Medical Technologist? Leaflet 44, 1958 (10¢)—Women's Bureau, U.S. Department of Labor	40
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Practical Nurse, #B-92 (35¢)		26
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Education for Nursing: The Diploma Way (35¢)		12

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Here's Something You Can Do About The Service Technician Shortage	35

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"Behind Every Door" —An address given by Patrick B. Lyons on accepting the presidency of the Frontiers of Science Foundation of Oklahoma	4
The Big Pond: Federal Jobs for Physical Scientists, Engineers and Mathematicians (30¢)	10
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Guide for Parents and Students (\$5.00 per 1,000)	9
Job Horizons for College Women in the 1960s , Bulletin 288/1967 (30¢). Includes pamphlets on science, mathematics and engineering disciplines.	65
Jobs in Science , 48 pp. (\$1.00)	61
Jobs in Technical Work , 48 pp. (\$1.20)	61
Science and Engineering	41
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Technicians, Science and Engineering #B-149 (35¢)	26
Employment Outlook: Technicians Bulletin 1650-27 (15¢)	43
Twenty-five technical careers you can learn in two years or less	55

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A Career For You As A Science Teacher (25¢)	53
Careers in Education (35¢—discounts on quantity orders) #681-18372	51
Careers in Teaching and Education (\$1.25)	25
Employment Outlook: Teachers Bulletin 1650-47 (15¢)	43

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Career Facts About Today's Veterinarian (single copies free)	22
Today's Veterinarian (single copies free)	22
Veterinarian, #B-29R (35¢)	26

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Amoco Career Bulletins —Information for college graduates about careers in marketing, manufacturing, engineering, research, finance, computer science, product development and planning and staff services.	23
Can I Be A Draftsman?	39
Can I Be A Technician?	39
Careers in City Management (50¢)	25
Careers in Corporate Management (50¢)	25
CPC Insight In: Research and Development	31
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Careers with Rohm and Haas	60
Employment Outlook: Industrial Chemical Industry, Bulletin 1650-113 (15¢)	43
Your Future at General Mills: Finance, Planning, Control and Growth	38
Learn to do Something	33
Your Future at General Mills: Marketing, Marketing Research and Sales	38
Need a Lift? To Educational Opportunities: Careers, Loans, Scholarships, Employment!	9
Employment Outlook: Paper and Allied Products Industries, Bulletin 1650-116 (15¢)	43
Paper and Paper Manufacture (single copies free)	15
Why Not Be A Technical Writer	65

SPECIAL REFERENCES

(Often found in public or school libraries)

Business Periodicals Index; Applied Science and Technology Index: Both list recent articles, by subject

Special References (continued)

Cumulative Book Index: Lists all books in the English language, by subject

The Dictionary of Occupational Titles: Lists titles of occupations—i.e., chemists, physicists, etc., and describes each. Bureau of Employment Security, U.S. Department of Labor, Washington, D.C. 20210

The Encyclopedia of Chemistry, edited by G. L. Clark & G. G. Hawley: Reinhold Publishing Corp., 430 Park Avenue, New York, New York 10022

All magazines relating to scientific fields, such as:

The Journal of Chemical Education

Chemical and Engineering News

Scientific American

Chemical Week

Science

Senior Science

Science News Letter

Occupational Outlook Handbook. 1970-71 edition. Bulletin 1650. A guide to the Nation's job needs and prospects in more than 700 occupations and 30 major industries. Published biennially. U.S. Government Printing Office.

APPENDIX

American Association of Colleges of Pharmacy	1
850 Sligo Avenue Silver Spring, Maryland 20910	
American Astronomical Society	2
211 FitzRandolph Road Princeton, New Jersey 08540	
American Chemical Society	3
1155 16th Street, N.W. Washington, D.C. 20036	
American Dental Association	4
Council on Dental Education 211 E. Chicago Avenue Chicago, Illinois 60611	
American Dietetic Association	5
620 N. Michigan Avenue Chicago, Illinois 60611	

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American Geological Institute 2201 M Street, N.W. Washington, D.C. 20037	6
American Institute of Nutrition 9650 Rockville Pike Bethesda, Maryland 20014	7
American Institute of Physics 335 E. 45th Street New York, New York 10017	8
American Legion Box 1055 Indianapolis, Indiana 56206	9
American Medical Association 535 N. Dearborn Street Chicago, Illinois 60610	10
American Meteorological Society 45 Beacon Street Boston, Massachusetts 02108	11
American Nurses' Association 10 Columbus Circle New York, New York 10019	12
American Optometric Association, Inc. 7000 Chippewa Street St. Louis, Missouri 63119	13
American Osteopathic Association 212 E. Ohio Street Chicago, Illinois 60611	14
American Paper Institute 260 Madison Avenue New York, New York 10016	15
American Petroleum Institute 1801 K Street, N.W. Washington, D.C. 20006	16
American Pharmaceutical Association 2215 Constitution Avenue, N.W. Washington, D.C. 20037	17
American Physical Therapy Association 1156 15th Street, N.W. Washington, D.C. 20005	18
American Physiological Society 9650 Rockville Pike Bethesda, Maryland 20014	19
American Society of Agricultural Engineers 2950 Niles Road Saint Joseph, Michigan 49085	20
American Society of Biological Chemists, Inc. 9650 Rockville Pike Bethesda, Maryland 20014	21

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Amoco Chemicals Corporation 130 E. Randolph Drive Chicago, Illinois 60601	23
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B'nai B'rith Vocational Service 1640 Rhode Island Avenue, N.W. Washington, D.C. 20036	25
Careers Box 135 Largo, Florida 33540	26
Chronicle Guidance Publications, Inc. Moravia, New York 13118	27
U.S. Civil Service Commission Washington, D.C. 20415	28
College of Pharmaceutical Sciences Columbia University 115 W. 68th Street New York, New York 10023	29
Commercial Solvents Corporation 245 Park Avenue New York, New York 10017	30
CPC International Inc. International Plaza Englewood Cliffs, New Jersey 07632	31
DACOWITS Defense Advisory Committee on Women in the Service Office of the Assistant Secretary of Defense (Manpower and Reserve Affairs) Room 3D281, The Pentagon Washington, D.C. 20301	32
The Dow Chemical Company College Relations Midland, Michigan 48640	33
Eastman Kodak Company Education Division 343 State Street Rochester, New York 14650	34
Electronic Industries Association 2001 Eye Street, N.W. Washington, D.C. 20006	35
Engineers' Council for Professional Development 345 E. 47th Street New York, New York 10017	36

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General Mills Chemicals, Inc. 4620 West 77th Street Minneapolis, Minnesota 55435	38
General Motors Corporation Public Relations Staff Room 1 - 101 GM Building Detroit, Michigan 48202	39
U.S. Government Printing Office Superintendent of Documents Washington, D.C. 20402	40
International Business Machines Corporation 112 E. Post Road White Plains, New York 10601	41
Kappa Epsilon Fraternity 514 29th Avenue N., Apt. 14 Fargo, North Dakota 58102	42
U.S. Department of Labor Bureau of Labor Statistics Washington, D.C. 20212	43
Manufacturing Chemists Association 1825 Connecticut Avenue, N.W. Washington, D.C. 20009	44
Mathematical Association of America 1225 Connecticut Avenue, N.W. Washington, D.C. 20036	45
Michigan State University Agricultural Engineering Department East Lansing, Michigan 48823	46
National Aeronautics and Space Administration Washington, D.C. 20546	47
National Aerospace Education Council 806 15th Street, N.W. Washington, D.C. 20005	48
National Bureau of Standards Washington, D.C. 20234	49
National Council of Teachers of Mathematics 1201 16th Street, N.W. Washington, D.C. 20036	50
National Education Association 1201 16th Street, N.W. Washington, D.C. 20036	51

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U.S. Office of Education Department of Health, Education and Welfare Washington, D.C. 20202	55
Pfizer Inc. Public Relations Department 235 East 42nd Street New York, New York 10017	56
Philadelphia College of Pharmacy and Science 43rd Street, Kingsessing and Woodland Avenues Philadelphia, Pennsylvania 19104	57
Public Affairs Committee, Inc. 381 Park Avenue South New York, New York 10016	58
Registry of Medical Technologists P.O. Box 4872 Chicago, Illinois 60612	59
Rohm and Haas Company Independence Mall West Philadelphia, Pennsylvania 19105	60
Science Research Associates Guidance Services Department 259 E. Erie Street Chicago, Illinois 60611	61
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