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## ABSTRACT

This paper describes the Bureau of Labor Statistics' projections to 1985. Specifically, it focuses on: (1) expected changes in the size and composition of the labor force and the impact of these changes on career opportunities, (2) projected patterns of industrial employment, and (3) future employment prospects by occupation. The paper also examines the overall projected supply/demand situation for college graduates and examines the 1960 and 1970 census data for some startling changes in the occupational choices of men and women over the last decade: Many female workers entered traditionally male fields such as engineering, medicine, and the crafts, while an increasing number of men tock jobs as elementary school teachers, telephone operators, and typists. (Author)

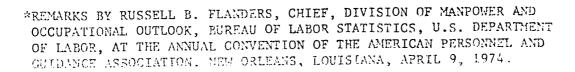


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THE CHANGING JOB SCENE TO 1985\*





AS MOST OF YOU KNOW, THE BUREAU'S PROJECTIONS ARE ALWAYS MADE WITHIN CERTAIN FUNDAMENTAL ASSUMPTIONS ABOUT THE FUTURE. THESE ASSUMPTIONS ARE:

- (1) MAINTENANCE OF HIGH LEVELS OF EMPLOYMENT AND UTILIZATION OF AVAILABLE MANPOWER IN 1985. SPECIFICALLY, AN UNEMPLOYMENT RATE OF 4.0 PERCENT OF THE CIVILIAN LABOR FORCE IS ASSUMED;
- (2) THAT NO MAJOR EVENT SUCH AS LONG DURATION OR WIDESPREAD ENERGY SHOWLAGES WILL ALTER SUBSTANTIALLY THE RATE OF ECONOMIC GROWTH;
- (3) THAT ECONOMIC, SOCIAL, AND EDUCATIONAL TRENDS WILL CONTINUE TO CHANGE ACCORDING TO PATTERNS OF THE RECENT PAST;
- (4) THAT SCIENTIFIC-TECHNOLOGICAL ADVANCEMENT WILL CONTINUE AT ABOUT THE SAME RATE AS IN RECENT YEARS;
- (5) THAT THE UNITED STATES WILL NOT BE AT WAR, BUT THAT THERE WILL BE NO SUBSTANTIAL REDUCTION IN THE DEFENSE BUDGET BEYOND THAT ALREADY IN EFFECT.

FOR THOSE WHO ARE INTERESTED, MORE DETAILED ASSUMPTIONS UNDERLYING THE PROJECTIONS ARE SET FORTH IN THE DECEMBER 1973 MONTHLY LABOR REVIEW, WHICH IS PUBLISHED BY THE BUREAU.

GETTING INTO THE MEAT OF THE MATTER, THE BUREAU PROJECTS AN INCREASE IN ECONOMIC ACTIVITY DURING THE 1968-80 PERIOD SLIGHTLY FASTER THAN DURING THE PREVIOUS 15-YEAR PERIOD. FURTHERMORE, IT PROJECTS ECONOMIC ACTIVITY TO SLOW DOWN DURING THE 1980-85 PERIOD. THIS SLOWDOWN REFLECTS THE LABOR FORM, MUTRY OF CHIRDREN FORM THE FACE 1850'S AND 1960'S ACTIVITY BERTH RATE WAS DECLINING SHARPLY.



THE "BABY BOOM" OF THE LATE 1940'S WILL CONTINUE TO EFFECT THE COMPOSITION OF THE LABOR FORCE IN THE YEARS AHEAD. THREE-FOURTHS OF THE PROJECTED 1972-80 INCREASE IN THE LABOR FORCE IS EXPECTED TO OCCUR AMONG THE GROUP 20-34 YEARS OLD. THIS GROUP, WHICH OBVIOUSLY INCLUDES THOSE COMPLETING HIGHER EDUCATION, WILL GENERATE DEMAND FOR PERMANENT CAREER OPPORTUNITIES. ON THE OTHER HAND, THE INCREASE IN THE RATIO OF YOUNG ADULT WORKERS (20-34 YEARS) TO OLDER WORKERS (THOSE 34 TO 54 YEARS) MAY LIMIT PROMOTIONAL OPPORTUNITIES FOR THE YOUNGER WORKERS.

IN CONTRAST, THE NUMBER OF TEENAGE WORKERS SHOULD PEAK AROUND 1979
AND DECLINE SLOWLY THEREAFTER. THE MASSIVE INCREASE IN TEENAGE WORKERS
BETWEEN 1960 AND 1972 HELPED TO CREATE PROBLEMS OF JOBS FOR YOUTH.
THEIR DECLINE IN NUMBER IN THE EARLY 1980'S SHOULD RELIEVE SOME OF THE
EMPLOYMENT PROBLEMS OF THE YOUNG.

THE RELATIVE POSITION OF WOMEN IN THE LABOR FORCE ALSO WILL BE INFLUENCED IN THE "BABY BOOM" OF THE PAST. ALTHOUGH WOMEN'S FERTILITY RATE IS EXPECTED TO REMAIN AT ABOUT CURRENT LEVELS, THE NUMBER OF WOMEN IN THE PRIME CHILDBEARING AGE GROUP (25 TO 34 YEARS) WILL INCREASE DRAMATICALLY THROUGH 1980. THE YEARS 25 THROUGH 34 REPRESENT THE PERIOD OF PEAK FAMILY RESPONSIBILITIES FOR MOST WOMEN. THUS, ALTHOUGH THE NUMBER OF WORKERS WHO ARE WOMEN IS EXPECTED TO CONTINUE GROWING THROUGH 1985, THE INCREASE WILL BE AT A LOWER RATE THAN OBSERVED THROUGH THE 1960'S. ALSO, WILL GROWING AS TRAINED AS A TROPOSTION OF THE TOTAL LAG R PAGE THAN IN THE PREVIOUS DECADE.



ALTHOUGH THE BUREAU'S PROJECTION OF INDUSTRIAL EMPLOYMENT INDICATE CONTINUATION OF PAST TRENDS, I SHALL MENTION THE HIGHLIGHTS BECAUSE, GENERALLY SPEAKING, TOMORROW'S INDUSTRY PATTERNS DETERMINE TOMORROW'S JOBS. BETWEEN 1972 AND 1985, THE TOTAL NUMBER OF JOBS IS EXPECTED TO RISE BY ABOUT 22 MILLION. JOB GROWTH THROUGH 1980 IS EXPECTED TO AVERAGE ABOUT 2.3 MILLION A YEAR, AND ABOUT 1.2 MILLION A YEAR BETWEEN 1980 AND 1111. UMAN YOU CLASSIFY ENDUSTRIES AS ETEHER COODS PRODUCING OR SERVICE PRODUCING, YOU SEE THAT THE NATION'S ECONOMY IS DRAMATICALLY SERVICE ORIENTED. WHEN THE NUMBER OF JOBS IN TRANSPORTATION, TRADE, GOVERNMENT, FINANCE, HOSPITALS, AND OTHER SERVICES ARE COMBINED, WE SEE THAT MORE THAN 70 PERCENT OF ALL JOBS IN 1985 WILL BE IN SERVICE INDUSTRIES. THE PROPORTION IN 1972 WAS LESS THAN 68 PERCENT AND ABOUT 50 PERCENT IN THE 1920'S. BECAUSE SERVICE EMPLOYMENT IS GENERALLY LESS SENSITIVE THAN MANUFACTURING TO ABRUPT SWINGS IN ECONOMIC ACTIVITY, WE CAN EXPECT GREATER EMPLOYMENT STABILITY AS A LARGE PROPORTION OF THE WORK FORCE FINDS JOBS IN THE SERVICE SECTOR. LOOKING AT THE SITUATION ANOTHER WAY, IT IS RATHER DRAMATIC TO OBSERVE THAT, BY 1985, FEWER THAN 3 OF, EVERY 10 PERSONS WILL BE WORKING IN GOODS PRODUCING INDUSTRIES, INCLUDING FARMING. SPEAKING OF FARMING, IT IS INTERESTING TO MOTE THAT JOBS IN FARMING ARE EXPECTED TO CONTINUE TO DECLINE. BY 1985, THE BUREAU PROJECTS LESS THAN 2 MILLION JOBS IN FARMING, WHICH WILL ACCOUNT FOR LESS THEM 2 PERCENT OF ALL JOBS. A NOTE OF CAUTION, PLEASE. I OF MALKING ABOUT JOBS ON FARMS. OPPORTUNITIES IN WHAT IS COMMONLY REFERRED TO AS



"AGRIBUSINESS" RELATED OCCUPATIONS IS EXPECTED TO INCREASE IN THE YEARS AHEAD.

ALTHOUGH JOBS IN MINING, MANUFACTURING AND CONSTRUCTION, COMBINED, WILL ACCOUNT FOR A DECLINING PROPORTION OF TOTAL JOBS THROUGH 1985, THE NUMBER OF JOBS WILL RISE BY ABOUT 5 MILLION. MINING EMPLOYMENT IS UNDESCRIBE OF STABILIZE AFTER SEVERAL YEARS OF STEADY DECLINE, PRIMARILY BECAUSE OF THE RESURGENCE OF COAL AS AN ENERGY SOURCE.

AMONG THE SERVICE INDUSTRIES, GROWTH IN BUSINESS, PROFESSIONAL,

AND MEDICAL SERVICES WILL BE PRONOUNCED THROUGH THE MID-1980'S. THE

NUMBER OF JOBS IN TRADE IS EXPECTED TO RISE BY ABOUT 4 MILLION BY 1985,

BUT THERE WILL BE SUBSTANTIALLY SLOWER GROWTH IN THIS SECTOR BETWEEN

1980 AND 1985 THAN DURING THE 1970'S. RETAIL TRADE HAS BEEN A JOB

SOURCE FOR MANY, PARTICULARLY WOMEN SEEKING ONLY PART-TIME EMPLOYMENT.

AS THIS SECTOR SLOWS SOMEWHAT MORE THAN THE ECONOMY IN THE 1980'S, JOB

ENTRANTS MAY HAVE TO SEEK FULL-TIME WORK IN OTHER SECTORS OF THE ECONOMY,

OR "OT ENTER THE LABOR FORCE AT ALL, IF THEY ARE ONLY INTERESTED IN

PART-TIME WORK.

STATE AND LOCAL GOVERNMENT IS EXPECTED TO PROVIDE ABOUT 5 MILLION NEW JOBS BY 1985. ALTHOUGH THIS INDICATES SUBSTANTIAL GROWTH, IT REPRESENTS A SLOWDOWN IN THE RATE OF GROWTH COMPARED WITH THAT OF THE 1960'S. THE SLOWDOWN IS DUE PRIMARILY TO THE REDUCTION IN THE NEEDS OF PEDELC EDUCATION, WHERE ABOUT HALF OF ALL STATE AND EDUCAL GOVERNMENT JOINS

THE 1972-85 PERIOD.



OF PRIMARY INTEREST TO THIS GROUP IS THE BUREAU'S PROJECTIONS OF OCCUPATIONAL OPPORTUNITIES. TRADITIONALLY, THE BUREAU, FOR ANALYTICAL TURPOSES, GROUPS OCCUPATIONS INTO FOUR MAJOR CATEGORIES--WHITE-COLLAR, BLUE-COLLAR, FARM, AND SERVICE WORKERS. THIS YEAR, FOR THE FIRST TIME WE HAVE PRESENTED THE INFORMATION IN THE OCCUPATIONAL OUTLOOK HANDBOOK IN 13 CAREER CLUSTERS. THESE CAREER CLUSTERS HELP RELATE OUTLOOK ILLARMAND TO AUGOOL GURRICULUM AND OCCUPATIONAL TRAINING INFORMANDS, CAREER LADDERS AND LATTICES, AND FIELDS OF INTEREST FOR YOUNG PROPLE ENGAGED IN CAREER EXPLORATION.

I WOULD FIRST LIKE TO DISCUSS OCCUPATIONS IN THE TRADITIONAL
FRAMEWORK. MHITE-COLLAR WORKERS--THAT IS PROFESSIONAL, TECHNICAL,
SALES, CLERICAL, AND MANAGERIAL PERSONNEL--MADE UP LESS THAN ONE-FIFTH
OF ALL WORKERS IN 1900, LESS THAN 48 PERCENT IN 1972, BUT ARE EXPECTED
TO ACCOUNT FOR ABOUT 53 PERCENT IN 1985. IN CONTRAST, BLUE-COLLAR
WORKERS WILL MAKE UP LESS THAN ONE-THIRD OF ALL WORKERS IN THE MID1980'S. THE PROPORTION OF SERVICE WORKERS WILL REMAIN RELATIVELY
CONSTANT, AND THE RELATIVE IMPORTANCE OF FARM WORKERS WILL DROP, AS
WILL THE NUMBER OF THESE WORKERS. THE MOST RAPID INCREASE IN EMPLOYMENT
WILL BE AMONG WHITE-COLLAR WORKERS, WITH PROFESSIONAL AND TECHNICAL
PERSONNEL LEADING THE WAY, FOLLOWED BY CLERICAL WORKERS, MANAGERS, AND
SALES WORKERS. IT IS IMPORTANT TO NOTE, HOWEVER, THAT THE RATE OF



IT IS INTERESTING TO NOTE THAT AMONG SERVICE OCCUPATIONS, A STEADY DECLINE IN THE NUMBER OF PRIVATE HOUSEHOLD WORKERS IS EXPECTED, AS THIS TYPE OF WORK APPEALS TO FEWER AND FEWER WORKERS.

LOOKING NEXT AT THE NEW OCCUPATIONAL CLUSTERS, THE PROJECTIONS INDICATE THAT, AMONG INDUSTRIAL PRODUCTION OCCUPATIONS, THE GREATEST NUMBER OF JOB OPENINGS WILL BE FOR BLUE-COLLAR SUPERVISORS (WHOM WE USED TO CALL FOREMEN), AS WELL AS INSPECTORS, ASSEMBLERS, AND WELDERS.

AMONG CLERICAL OCCUPATIONS, THE LARGEST NUMBER OF OPPORTUNITIES WILL BE FOR SECRETARIES--MORE THAN 400,000 OPENINGS EACH YEAR ON THE AVERAGE--FOLLOWED BY BOOKKEEPING WORKERS, TYPISTS, CASHIERS, AND RECEPTIONISTS.

SERVICE OCCUPATIONS WILL PROVIDE MANY JOBS THROUGH THE MID-1980'S.

THE LARGEST NUMBER OF OPENINGS WILL BE FOR BUILDING CUSTODIANS, FOOD

SERVICE PERSONNEL (WAITERS AND WAITRESSES), COOKS AND CHEFS, AND

COSMETOLOGISTS. HOWEVER, THE MOST RAPID INCREASE IN EMPLOYMENT WILL

BE FOR FIREFIGHTERS AND STATE POLICE OFFICERS.

EMPLOYMENT PROSPECTS IN TEACHING PRESENT AN INTERESTING PICTURE.

THE NUMBER OF KINDERGARTEN AND ELEMENTARY SCHOOL TEACHERS IS EXPECTED

TO RISE BY ABOUT ONE-FOURTH BY 1985 AND PROVIDE JOB OPENINGS FOR ABOUT

105,000 WORKERS ANNUALLY ON THE AVERAGE. EMPLOYMENT OF SECONDARY SCHOOL

TEACHERS WILL INCREASE ONLY SLIGHTLY, BUT AVERAGE ANNUAL JOB OPENINGS

TO THE METERS ADDRESS AND METERS AND REPORT ARE LONG DERIVED. ALSO,

WITHOUTH OF COLLEGE TEACHERS IS EXPECTED TO INCREASE BY ABOUT ONE-FIFTH.



THERE WERE OVER 5 MILLION SALESWORKERS IN 1972 AND, THROUGH 1985,

THERE WILL BE MORE JOB OPENINGS ANNUALLY FOR RETAIL TRADE SALESWORKERS

THAN IN ALL OTHER SALES OCCUPATIONS COMBINED.

IN CONSTRUCTION ACTIVITIES, THE LARGEST NUMBER OF JOB OPENINGS
WILL BE FOR CARPENTERS, FOLLOWED BY LABORERS, OPERATING ENGINEERS,
PLUMBERS AND PIPEFITTERS, PAINTERS AND PAPERHANGERS, AND ELECTRICIANS.

AMOUG THE SCIENTIFIC AND TEXNITCAL OCCUPATIONS, AVERAGE ANNUAL JOB OPENINGS ARE EXPECTED TO NUMBER OVER 50,000 FOR ENGINEERS, NEARLY 40,000 FOR ENGINEERING AND SCIENCE TECHNICIANS, AND ABOUT 25,000 FOR SCIENTISTS.

MAINTENANCE AND REPAIR OCCUPATIONS WILL CONTINUE TO PROVIDE MANY
CAREER OPPORTUNITIES. THE GREATEST NUMBER OF OPENINGS WILL BE FOR
INDUSTRIAL MACHINERY REPAIR WORKERS AND AUTOMOBILE MECHANICS. THE
LARGEST PERCENT INCREASE IN EMPLOYMENT, HOWEVER, WILL BE FOR COMPUTER
SERVICE TECHNICIANS, WHERE EMPLOYMENT IS EXPECTED TO EXPAND OVER
100 PERCENT. HOWEVER, SINCE IT IS A RELATIVELY SMALL OCCUPATION, 1T WILL
PROVIDE ONLY ABOUT 4,000 JOB OPENINGS ANNUALLY.



T WILL NOT TAKE TIME HERE TO COVER EACH REMAINING CLUSTER, SINCE
THERE ARE NO DRAMATIC CHANGES FROM RECENT TRENDS. I WOULD LIKE,
HOWEVER, TO DISCUSS HEALTH OCCUPATIONS, BECAUSE THIS CATEGORY WILL
PROVIDE MANY CAREER OPPORTUNITIES. INCREASED EMPHASIS ON MEDICAL
CARE IS EXPECTED TO CREATE THE NEED FOR MEARLY 500,000 MORE HOSPITAL ATTENDANTS
OVER THE 1972-85 PERIOD, AS WELL AS ABOUT 400,000 LICENSED PRACTICAL
NURSES. IN TERMS OF ANNUAL AVERAGE JOB OPENINGS, THE HEALTH OCCUPATIONS
RANK. 'FOLLOWS:

NURSES AIDES, ORDERLIES, AND ATTENDANTS	100,000
REGISTERED NURSES	75,000
LICENSED PRACTICAL NURSES	70,000
MEDICAL ASSISTANTS	25,000
PHYSICIAN'S AND OSTEOPATHIC PHYSICIANS	19,000
MEDICAL RECORD TECHNICIANS AND CLERKS	10,500
DENTAL HYGIENISTS	4,800

SMALLER NUMBERS OF WORKERS IN OTHER HEALTH CATEGORIES ALSO WILL BE NEEDED.



I WOULD LIKE TO SHIFT GEARS AND DISCUSS OTHER ELEMENTS OF THE BLS PROJECTIONS. THESE PROJECTIONS INDICATE THAT, AS A GROUP, COLLEGE GRADUATES WILL BE FACED WITH AN INCREASINGLY COMPETITIVE JOB MARKET. THE UNDERSUPPLY OF THE 1950'S AND 1960'S, WHICH ENABLED MANY GRADUATES TO "WRITE THEIR OWN TICKET," EVOLVED INTO A SITUATION ACCELERATED. FOR THE REMAINDER OF THIS DECADE, HOWEVER, THE MIMBER OF GRADUATES ARE EXPECTED TO INCREASE SLIGHTLY FASTER THAN THE OCCUPATIONAL DEMAND FOR THEM. DURING THE FIRST HALF OF THE 1980'S, THE EXCESS OF COLLEGE-TRAINED PERSONS WILL REACH 140,000 EACH YFAR.

THE SURPLUS OF COLLEGE GRADUATES DOES NOT SUGGEST LARGE-SCALE

UNEMPLOYMENT AMONG THESE WORKERS. IT DOES MEAN, HOWEVER, THAT DUE

TO INCREASED COMPETITION AND RISING EDUCATIONAL REQUIREMENTS, MANY WILL

BE FORCED TO ACCEPT SECOND-CHOICE JOBS. AS EMPLOYERS RAISE THEIR HIRING

STANDARDS, COLLEGE GRADUATES WILL CONTINUE TO HAVE A COMPETITIVE

ADVANTAGE OVER TROSE WITH LESS EDUCATION. CONSEQUENTLY, WE WILL SEE

MORE GRADUATES TAKING JOBS FORMERLY HELD BY WORKERS WITH LESS THAN FOUR

YEARS OF COLLEGE, AND THIS IS LIKELY TO OCCUR IN CERTAIN SALES JOBS,

SUCH AS INSURANCE AGENT. ONE DISTRESSING RESULT OF ALL THIS MAY BE A

LARGE NUMBER OF DISAPPOINTED COLLEGE GRADUATES WHOSE EMPLOYMENT

FURRITATIONS CANNOT BE MET, AT LEAST IN THE SHORT-REN. FURTHERMORE,

MANY WORKERS WITH LESS THAN A COLLEGE EDUCATION WILL BE FURSTRAIND BY

THE TITTION FORM GOILEGE GRADUATES FOR PROMOTION TO A COUNTY MANY ME



ALTHOUGH OUR ESTIMATES SHOW AN OVERSUPPLY OF COLLEGE GRADUATES IN TOTAL, SOME IMBALANCES CAN BE EXPECTED. FOR EXAMPLE, IF PAST TRENDS CONTINUE, PERSONNEL SHORTAGES CAN BE ANTICIPATED IN SOME PROFESSIONS, NOTABLY CHEMISTRY AND ENGINEERING, WHILE THE NEED FOR FAMILY DOCTORS IN RURAL AREAS SHOULD REMAIN STRONG, HOWEVER, THE SEVERE OVERSUPPLY IN FAMILES SHOW AS TEACHING AND THE LIFE SCIENCES IS EXPECTED TO CONTINUE.

THE COLLEGE GRADUATE WILL BE AT A DISADVANTAGE IN SOME OCCUPATIONS

AND FACE KEEN COMPETITION IN OTHERS. IN THE SKILLED CRAFTS, FOR INSTANCE,

DEMAND WILL BE STRONGEST FOR THOSE WITH VOCATIONAL TRAINING. COLLEGE

GRADUATES ALSO WILL FACE STIFF COMPETITION FOR SOME PARAPROFESSIONAL AND

TECHNICAL JOBS FROM GRADUATES OF JUNIOR COLLEGES AND OTHER POSTSECONDARY

SCHOOLS. THESE SCHOOLS HAVE DEMONSTRATED THEIR ABILITY TO TRAIN WORKERS

FOR THESE OCCUPATIONS AND THE NUMBER OF STUDENTS COMPLETING THESE

PROGRAMS IS EXPECTED TO OUTPACE COLLEGE GRADUATES.

A SIGNIFICANT POINT TO REMEMBER, I BELIEVE, IS THAT THE MAJORITY

OF JOB OPENINGS TO 1985 WILL NOT REQUIRE A COLLEGE DEGREE, PROJECTIONS

INDICATE THAT LESS THAN ONE-FOURTH OF ALL OPENINGS WILL REQUIRE FOUR

YEARS OF COLLEGE OR MORE. THIS MEANS THAT OPPORTUNITIES FOR WORKERS

WITH LESS THAN A BACHELOR'S DEGREE WILL BE EXTENSIVE AND VARIED. FOP EXAMPLE, MANY

/OPPORTUNITIES FOR SATISFYING AND WELL-PAID CAREERS WILL EXIST IN THE

50 FILLED TRADES, AND IN THE TECHNICAL, SALES AND CLERICAL TIELDS.



I WOULD LIKE TO DISCUSS A TOPIC OF GREAT CONCERN TO THE DEPARTMENT OF LABOR AND TO YOU AS COUNSELORS—THAT IS, THE CHANGING ROLE OF WOMEN IN THE WORLD OF WORK. THE 1970 DECENNIAL CENSUS REVEALS THAT, FOR THE FIRST TIME SINCE WORLD WAR II, WOMEN WORKERS HAVE MADE LARGE—SCALE MOVES INTO PREDOMINATELY MALE CAREER FIELDS. ALTHOUGH DUE CAUTION SHOULD BE EXERCISED WHEN DEALING WITH SMALL NUMBERS AND SUDDEN INCREASES OVER A CHARACTURELY CACRE PERIOD OF TIME, AN EXAMINATION OF THESE DATA CAN TEACH US A LOT ABOUT THE DIRECTION OF CHANGES IN EMPLOYMENT PATTERNS AND ALSO THE ATTITUDES OF WORKING WOMEN.

PERHAPS THE MOST DRAMATIC SHIFT THAT HAS OCCURRED BETWEEN 1960 AND 1970 IS THE LARGE INFLUX OF WOMEN INTO THE SKILLED TRADES. EMPLOYMENT OF ALL FEMALE SKILLED WORKERS GREW FROM 277,000 TO 495,000, INCREASING WOMEN'S SHARE OF EMPLOYMENT FROM 3.1 PERCENT TO 5.0 PERCENT. EMPLOYMENT OF WOMEN INCREASED EIGHT TIMES FASTER THAN MEN; IN FACT, ONE OF EVERY FOUR ENTRANTS TO THE CRAFTS WAS FEMALE.

THE MOST SIGNIFICANT GAIN CAME IN THE EMPLOYMENT OF WOMEN CARPENTERS,
WHICH GREW OVER 300 TIMES FASTER THAN MEN. NEARLY 8,000 WOMEN ENTERED
THIS OCCUPATION OVER THE PERIOD, AND THE FEMALE SHARE OF EMPLOYMENT
TRIPLED (.4 PERCENT-1.3 PERCENT). OTHER SKILLED TRADES REGISTERING
NOTABLE INCREASES IN FEMALE WORKERS WERE PLUMBERS, IN WHICH WOMEN ALSO
TRIPLED THEIR SHARE OF EMPLOYMENT (.3 PERCENT-1.1 PERCENT); AND
SIRCORDICAMS 9.7 PERCENT-1.8 PERCENT). AUTO MECHANICS (.5 PERCENT-2.0 PERCENT).
AND PAINTERS (1.9 PERCENT-4.1 PERCENT), WHERE THE PROPORTION OF FEMALES



WOMEN ALSO HAVE MADE SIGNIFICANT GAINS IN TWO PREDOMINATELY MALE PROFESSIONS, LAW AND MEDICINE. EMPLOYMENT OF WOMEN LAWYERS (WHICH GREWFROM 5,000 to 12,300) INCREASED SIX TIMES AS FAST AS FOR MEN AND WOMEN DOUBLED THEIR SHARE OF ALL LAWYER EMPLOYMENT (2.4 PERCENT-4.7 PERCENT).

STMILAR GAINS HAVE BEEN MADE IN THE MEDICAL PROFESSIONS. NEW TO SEE OUTPAGED THEIR MADE COUNTERPARTS BY THREE TO ONE OVER THIS PERIOD, GROWING FROM 16,000 TO 26,000. THE SIGNIFICANCE OF THIS BECOMES MORE EVIDENT AS WE LOOK AT ABSOLUTE NUMBERS. BETWEEN 1960 AND 1970, ONE OUT OF EVERY FOUR NEW DOCTORS WAS A WOMEN. IMPORTANTLY, EMPLOYMENT OF WOMEN DENTISTS ROSE FROM 1,900 TO 3,100 OVER THE PERIOD. FEMALE EMPLOYMENT GREW EIGHT TIMES FASTER THAN MEN'S AND THE PROPORTION OF DENTISTS WHO ARE WOMEN INCREASED FROM ONE OUT OF EVERY FIFTY TO ONE OUT OF EVERY THIRTY.

WOMEN APPEAR TO HAVE MADE SUBSTANTIAL INROADS INTO OTHER PREDOMINATELY MALE PURSUITS. WOMEN IN ENGINEERING, FOR EXAMPLE, INCREASED QUITE RAPIDLY OVER THE 1960 TO 1970 PERIOD (FROM 7,000 TO 19,600), GROWING BY MORE THAN FOUR TIMES THE RATE FOR MEN. SHIFTS IN ENTRY PATTERNS ALSO WERE OBSERVED FOR ACCOUNTANTS AND ARCHITECTS. EMPLOYMENT OF WOMEN ACCOUNTANTS GREW FROM 80,400 TO 183,000, QUADRUPLING THE GROWTH RATE FOR MEN, WHILE WOMEN SINTERED THE ARCHITECTURE PROFESSION (1,216 OVER THE DECADE) AT A RATE TURBER TIMES FASTER THAN MEN.



WOMEN ALSO HAVE MADE NOTICEABLE INROADS INTO SEVERAL TRADITIONALLY MALE SELLING OCCUPATIONS. THE RATE OF GROWTH FOR WOMEN INSURANCE AGENTS AND BROKERS (EMPLOYMENT ROSE FROM 35,300 TO 56,600) TRIPLED THAT FOR MEN DURING THE 1960'S, WHILE SALESWOMEN IN REAL ESTATE (WHICH GREW FROM 46,100 TO 83,600) AND WHOLESALE TRADE (RISING FROM 20,300 TO 41,000 THE DECLARS) EACH OUTPACED THE BY FOUR TO GUE. THAT THE OCCUPATION OF THESE FIGURES, OF COURSE, IS THAT WOMEN ARE MAKING SUCCESSFUL ENTRY INTO COMPETITIVE AND REWARDING SALES JOBS IN INCREASING NUMBERS.

IN ADDITION, EMPLOYMENT OF WOMEN BANK OFFICERS AND FINANCIAL MANAGERS INCREASED FROM 2,100 TO 54,500 AND THEIR SHARE OF EMPLOYMENT DOUBLED.

THE NUMBER OF FEMALE SALES MANAGERS, EXCEPT RETAIL TRADE, ALSO GREW DRAMATICALLY, INCREASING FROM 51 TO 8,800.

PROTECTIVE SERVICE OCCUPATIONS SHOWED SUBSTANTIAL INCREASES IN FEMALE EMPLOYMENT DURING THE 1960'S. WOMEN EMPLOYED AS GUARDS INCREASED THEIR NUMBERS BY THREE FOLD (FROM 4,900 TO 16,300), WHILE MALE EMPLOYMENT GREW BY ONLY ONE-QUARTER (FROM 240,100 TO 302,200). THE OCCUPATION THAT MOST CLEARLY ILLUSTRATES THE CHANGING ROLE OF WOMEN, HOWEVER, IS THE POLICE OFFICER. BETWEEN 1960 AND 1970, THE NUMBER OF POLICEWOMEN ALMOST DOUBLED, RISING FROM 6,800 TO 13,100. THE SIGHT OF UNIFORMED WOMEN "WALKING THE BEAT" AND RIDING IN PATROL CARS HAS BECOME COMMONPLACE



YET, IT'S A TWO WAY STREET--FOR EXAMPLE, BETWEEN 1960 AND 1970,

MEN ALSO ENTERED OCCUPATIONS DOMINATED BY WOMEN. THE RATE OF INCREASE

OF MALE LIBRARIANS (WHICH GREW FROM 10,800 TO 22,000) NEARLY DOUBLED

THE GROWTH RATE FOR WOMEN IN THIS OCCUPATION, AND MALE ELEMENTARY

SCHOOL TEACHERS (EMPLOYMENT ROSE FROM 139,733 TO 231,483) ALSO MADE

FURTHER INROADS, OUTPACING FEMALE TEACHERS AND GAINING A LARGER SHARE

OF ALL EMPLOYMENT IN THE OCCUPATION. EMPLOYMENT OF MALE TELEPHONE

OPERATORS INCREASED BY HALF (FROM 15,100 TO 22,700) BY 1970, ABOUT

FOUR TIMES THE GROWTH RATE FOR WOMEN. MEN WORKING AS TYPISTS ALSO

GREW AT A FASTER RATE THAN WOMEN, MORE THAN DOUBLING THEIR 1960 EMPLOYMENT

FIGURE (INCREASING FROM 25,500 TO 57,300 IN 1970).

INDICATIONS ARE THAT TRENDS THAT EMERGED OVER THIS PERIOD WILL

CONTINUE AND PERHAPS INTENSIFY. AS BARRIERS TO TRAINING AND EMPLOYMENT

ARE REMOVED, INCREASING NUMBERS OF WOMEN ARE EXPECTED TO ENTER CAREERS

PREVIOUSLY DOMINATED BY MEN AND VICE VERSA. PERHAPS THE GREATEST

INFLUENCE ON THE ATTITUDES OF YOUNG PEOPLE CONCERNING WHAT IS AN APPROPRIATE JOB FOR THEM WILL COME FROM MEN AND WOMEN ALREADY WORKING IN

NON-TRADITIONAL OCCUPATIONS. AS THESE WORKERS DEMONSTRATE THEIR ABILITY

TO GET THE JOB DONE, THEY WILL SET HIGHLY VISIBLE EXAMPLES FOR YOUNG PEOPLE.



I WOULD NOW LIKE TO REMOVE MY ECONOMISTS' HAT AND PUT ON MY PUBLIC RELATIONS HAT.

I AM HAPPY TO ANNOUNCE THAT THE LATEST EDITION OF THE OCCUPATIONAL OUTLOOK HANDBOOK WAS RELEASED MARCH 29.

THE FORTHCOMING ISSUE OF THE OCCUPATIONAL OUTLOOK OWARTERLY WILL CONTAIN A SUMMARY OF THE OUTLOOK FOR SOME 300 OCCUPATIONS IN AN ARTICLE CALLED, "THE HANDBOOK IN BRIEF."

ALSO, IN 3 TO 4 MONTHS WE HOPE TO HAVE AVAILABLE THE REVISED EDITION OF OCCUPATIONAL MANPOWER AND TRAINING NEEDS. THIS PUBLICATION SUMMARIZES, BY OCCUPATION, INFORMATION ON EXPECTED GROWTH, ANNUAL OPENINGS, TRAINING REQUIREMENTS, AND, WHERE POSSIBLE, THE RELATIONSHIP BETWEEN OCCUPATIONAL SUPPLY AND DEMAND.

THANK YOU.

