AMERICAN MEN OF SCIENCE
The Social and Behavioral Sciences

ELEVENTH EDITION

SUPPLEMENT 1
DOES NOT CIRCULATE

CENTRAL REFERENCE
AMERICAN
MEN OF SCIENCE

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Editors' Preface

With this volume, the first Supplement to the Social and Behavioral Sciences, seven Supplements to the 11th Edition of AMERICAN MEN OF SCIENCE have been published.

Beginning with the Third Edition published in 1921, new editions have appeared at approximately five-year intervals. But with the rapid growth in all fields of science during the past two decades, there has been an increasing demand for more current information on the American scientific community. To publish new editions at more frequent intervals seemed impractical—the current 11th Edition ran six volumes for the Physical and Biological Sciences, with some 130,000 entries, and two volumes for the Social and Behavioral Sciences, with 30,000 biographies. Therefore, to meet this demand, the publisher and editors have undertaken a series of Supplements.


The six volumes embracing the Physical and Biological Sciences were published as follows: the A-C and D-G in May and December, 1965, the H-K and L-O in May and December, 1966, and the P-Sr and St-Z in May and December, 1967. The two volumes covering the Social and Behavioral Sciences were published in September, 1968.

The Supplementary Service includes complete biographies of scientists whose data were received too late for the base volumes or who have become eligible for inclusion since these volumes were published. The criteria for inclusion in AMERICAN MEN OF SCIENCE remain the same for the Supplements:

1. Achievement, by reason of experience and training, of a stature in scientific work at least equivalent to that associated with the doctorate degree, coupled with presently continued activity in such work; or

2. Research activity of high quality in science as evidenced by publication in reputable scientific journals; or, for those whose work cannot be published because of governmental or commercial or industrial security, research activity of high quality in science as evidenced by the judgment of the individual's peers among his immediate co-workers; or

3. Attainment of a position of substantial responsibility requiring scientific training and experience of approximately the extent described for (1) and (2).

In addition, the Supplements are designed to give significant new data on scientists whose biographies appear in the base volumes. This information covers changes in position and address, deceased notices, and a few other items of importance. It must be remembered that the Supplements are not intended to take the place of full revisions and should be used in conjunction with the complete biographies given in the base volumes or Supplements of the current edition. Therefore, identical information has not been repeated and the following have been held for the 12th Edition, scheduled to begin publication in 1970:
Personal data, such as marriage and additional children.

Corrections in dates or other refinements in educational data, past positions, and affiliations.

Society memberships, fellows, election to office, and awards and decorations.

Alterations to Military Service entries.

Changes in publications or field of research.

Some corrections to past information have been included in cases when the error or omission detracted from an individual background.

As in the Supplements for the Physical and Biological Sciences, new information was obtained for this Supplement by sending questionnaires to scientists whose complete biographies were included in the base volumes of the Social and Behavioral Sciences. The response has been gratifying. Many have replied to this appeal who have not responded to similar requests for previous editions. We are deeply appreciative of the time and trouble involved in sending detailed information. Much has been received that will make the 12th Edition revisions even more complete.

Pertinent new information was included in the cumulative Supplement 2 for approximately 9500 scientists whose biographies are to be found in the base volumes of the Physical and Biological Sciences of the 11th Edition, plus some 2500 new biographies. Cumulative Supplement 4 added new data for 13,650 others, as well as 4700 new biographies. Supplement 5 gave new information for over 17,000 scientists whose entries appear not only in the base volumes but also in the previous Supplements, and some 8800 new biographies. Supplement 6 included new data for more than 17,500 as well as approximately 8800 new biographies.

The first Supplement to the Social and Behavioral Sciences, presented in this volume, provides new information for more than 4400 scientists whose biographies are to be found in the base volumes, as well as approximately 3800 new biographies. Among the new biographies are a few whose entries appeared in earlier editions but who were not located in time for publication and, as a result, had only a reference in the 11th Edition. Subsequently, new addresses were found and their complete biographies are given in this Supplement.

It has been the aim of the editors to include essential new information. Suggestions and criticism on our selection will be welcome so that any succeeding issues of the Supplements can be made increasingly valuable to users of AMERICAN MEN OF SCIENCE.

The continued cooperation of the vast number of individuals and organizations interested in science has made this compilation possible. Acknowledgement is gratefully extended to the Advisory Committee, to the individual scientists, to all scientific societies, and to the university and colleges of the United States and Canada for their continued assistance and cooperation. Sincere appreciation is due to the guidance and support of Mrs. Anne J. Richter, until recently Editor-in-Chief of the Book Editorial Department of the R. R. Bowker Company.

Every effort has been made to avoid errors in the listings—with the certain knowledge that some have escaped us. We have used our best efforts to edit the material submitted within the scope of the established format, but have no legal responsibility for accidental omissions or errors in entries.

Dorothy Hancock, Managing Editor
American Men of Science

Fred Scott, Resident Manager, The Jaques Cattell Press

Malcolm Johnson, Vice President and Editorial Director, Book Division
R. R. Bowker Company

September, 1970
Abbreviations

American Men of Science has tried to economize on punctuation since the first edition published in 1906, and has used only one punctuation mark at any point. Also, since many societies have the same initials, it has been found necessary to use abbreviations in place of initial letters, for their titles. These abbreviations are generally self-explanatory, or can be found in the following list:

AAAS—American Association for the Advancement of Science
abnorm—abnormal
abstr—abstractor
acad—academic, academy
acct—account, accountant, accounting
adj—adjunct, adjutant
adjunct—adjutant
Adm—Admiral
admin—administration, administrative
adminstr—administrator
ap—advanced, advancement, adviser, advisory
advert—advertisement
aerodyn—aerodynamic(s)
agron—aeronautical, aeronautical
agrophya—agrophysical, aephirophyics
agr—agroturgical, agriculture
agron—agronomic, agronomical, agronomy
agrost—agrostologic, agrostology
Ala—Alabama
allergol—allergological, allergology
Alta—Alberta
Ann—American, American
anal—analysis, analytic, analytical
analog
anat—anatomic, anatomy
anesthesiol—anesthesiology
anthrop—anthropological, anthropology
anthropom—anthropometric, anthropometrical, anthropometry
antig—antiquarian, antiquary, antiquities, antiquity
apicult—apicultural
Ar—Army
Arch—Archives
Ariz—Arizona
Ark—Arkansas
artil—artillery
A—Association
assoc(s)—associate(s), associated
assist—assistant
astronomy
astronaut—astronautical, astronautics
astron—astronomical, astronomy
astro—astrophysical, astrophysics
attend—attends, attending
audi—audiology
Aug—August
auth—author
ave—Avenue
avicult—avicultural, aviculture
B—born
bact—bacterial, bacteriologic, bacteriological, bacteriology
B.C.—British Columbia
bd—board
behavior—behavioral
biblog—bibliographical, bibliographical, bibliography
biochem—biochemical, biochemistry
biol—biological, biology
biomet—biometrical, biometrical, biometry
biophy—biophysical, biophysics
bldg—building
blvd—boulevard
bot—botanical, botany
br—branch
Brig—Brigadier
Brit—Britain, British
Bro(s)—Brother(s)
broly—brolyology
Bull—Bulletin
bus—business
B.W.I.—British West Indies
c—children, corps
Calif—California
Can—Canada, Canadian
cand—candidate
Capt—Captain
cardiol—cardiology
cardiovac—cardiovascular
cartog—cartographic, cartographical, cartography
Cath—Catholic
C.Eng—Corps of Engineers
cent—central
Cent. Am—Central America
cert—certificate, certified
chap—chapter
chem—chemical(s), chemistry
chmn—chairman
clerc—clerical
climate—climatology
clim(s)—climate(s), clinical
clm(s)—commission(s)
cmr—commissioner
cmt(s)—committee(s)
co—companies, company, county
co-auth—co-author
co-ed—co-editor
col(s)—college(s), colonel
collab—collaboration, collaboration, collaborator
Colo—Colorado
Comdr—Commander
comm—communicable, communication(s)
comp—computer
compt—computation, computer(s), computing
consol—consolidation
conf—conference
congr—congress(s)
Conn—Connecticut
conserv—conservancy, conservation
conserv—conservatory
consol—consolidated, consolidation
construct—construction
consult—consultant, consulting
contrib—contributing, contributor
coop—cooperation, cooperative
coord—coordinating, coordination
cor—corresponding
corp—corporation, corporation
coun—council, councilor
countr—counselor
crime—criminalistic, criminology
cryp—cryptogam, cryptogamic
crytolog—crytolographic, crytolographical, crytolography
C.W.S.—Chemical Warfare Service
cybernet—cybernetic(s)
cytol—cytological, cytology
C.Z.—Canal Zone
Czech—Czechoslovakia
D.C.—District of Columbia
Dec—December
Del—Delaware
dep—department
dent—dental, dentistry
dep—deputy
department
dermat—dermatologic, dermatological, dermatology

vii
ABBREVIATIONS

develop—development, developmental
diag—diagnosis, diagnostic
dipl—diploma, diplomat
dir(s)—director(s), directory
dist—district
div—division, divorced
document—documentation
Dom—Dominion
Dr—Doctor, Drive

East—east
East—Eastern
ecol—ecological, ecology
ecosys—ecosystem, economical, economy
economist—economics
ed—editor, editorial, education, educational
elec—electric, electrical, electricity
electrophys—electrophysiology
electronencephalog—electroencephalographic, electroencephalog
sography
electrophys—electrophysical, electrophysics

elem—elementary
embryo—embryologic, embryological, embryology
emer—emeritus
employ—employment
encyclo—encyclopedia
endocrin—endocrinologic, endocrinology
eng—engineering
Eng—England, English
engr(s)—engineer(s)
enol—enology

Env—Ensign
tencom—entomological, entomology
environ—environment(s), environmental
enzyme—enzymology
epidemiol—epidemiologic, epidemiological, epidemiology
equip—equipment
espnc—especially
estab—established, establishment
ethn—ethnographic, ethnographical, ethnography
etiol—etiological, etiological, etymology
eval—evaluation
evangel—evangelical
eve—evening
exam—examination, examiner(s)
except—exceptional
exec—executive(s)
exhibit—exhibition(s)
exper—experiment, experimental
exped—expedition(s)
explor—exploration(s), exploratory
expos—exposition
exten—extension

Feb—February
fed—federal
fedn—federation
fellow(s)—fellowship(s)
ferment—fermentation
fertil—fertility

Fla—Florida
floricult—floricultural, floriculture
for—foreign
found—foundation
FPO—Fleet Post Office
Fr—Fort

Ga—Georgia
gastroenterol—gastroenterology
gen—general
geneal—genealogical, genealogy
geo—geodesy, geodetic
geog—geographic, geographical, geography
geog—geographer
geo—geologic, geological, geology
geom—geometric, geometrical, geometry
geophys—geophysical, geophysics
ger—geriatric
geront—gerontological, gerontology
glaciol—glaciology
gov—governing, governor(s)
govt—government, governmental
grad—graduate

Gt. Brit—Great Britain
guide—guidance

gym—gymnasium
gynec—gynecologic, gynecological, gynecology

hel—helminthology
hemat—hematologic, hematological, hematopathy
herpet—herpetologic, herpetological, herpetology
hist—historical, history
histol—histological, histology
hochschule—hochschule
homop—homeopathic, homeopathy
hon—honorable, honorary
hort—horticultural, horticulture
hosps—hospitals

NumRO—Human Resources Research Office

husb—husbandry

hwy—highway
hydrol—hydrologic, hydrological, hydrology
hyg—hygiene, hygienic

ichthyol—ichthyological, ichthyology
Ill—Illinois
illum—illuminating, illumination
immun—immunologic, immunological, immunology
Imp—Imperial
improv—improvement
ins—Incorporated
ind—Indiana
industry—industrial, industries
info—information
inorg—inorganic
ins—insurance
inst(s)—institute(s), institution(s)
instal—institutional
inst(r)s—instruction, instructor(s)
int—international
intel—intelligence
intro—introduction
inve—invertebrate
invest—investigation
investigator
irrig—irrigation

J—Journal
Jan—January
jour—journal
jr—junior
jurisp—jurisprudence

Kans—Kansas
Ky—Kentucky

La—Louisiana
lab(s)—laboratories, laboratory
lang—language(s)
laryngol—laryngology

lect—lecture
lectr—lecturer
lege—legislation, legislative, legislature

L—Long Island
lib—librarian
lib—library

limnol—limnological, limnology
ling—linguistic(s)
lit—literary, literature

lithol—lithologic, lithological, lithology

Lt—Lieutenant
Ltd—Limited

m—married
mach—machine(s), machinery
mag—magazine
maj—major
malacol—malacology
mammal—mammalogy

Man—Manila
Mar—March
Mass—Massachusetts
mat—material(s)
mat.—material(s)
math—mathematical, mathematical

Md—Maryland
mech—mechanical, mechanical
med—medical, medicinal, medicine
mem—member, memoirs, memorial
mem—mental
metab—metabolic, metabolism
metal—metallic, metallurgical, metallurgy
metalog—metallographic, metallography
metaphys—metaphysics
meteorol—meteorological, meteorology
metrol—metrological, metrology
metrop—metropolitan
Mex—Mexico

mfg—manufacturing
mfr(s)—manufacturer(s), manufacturer(s)
mgr—manager
mgr—management

Mich—Michigan
micros—micropic, microscopic, microscopical, microscopy
mide—middle
mil—military
mineral—mineralogical, mineralogy
Minn—Minnesota
Miss—Mississippi

mtk—market, marketing
Mo—Missouri
mod—modern
monog—monograph
Mont—Montana
morphol—morphological, morphology
mus—muscular
mus—muscular
mus—musical, musicology
mycol—mycological, mycology
n—north
NASA—National Aeronautics & Space Administration
nat—national, naturalized
NATO—North Atlantic Treaty Organization
navy—navigation
N.B.—New Brunswick
N.C.—North Carolina
N.D.—North Dakota
Neb—Nebraska
nemat—nematology
neur—neurological, neurology
neuropath—neuropathological, neuropathology
neuropsychiat—neuropsychiatric, neuropsychiatry
Nev—Nevada
New—New England
New York—New York City
Newfoundland
N.H.—New Hampshire
N.J.—New Jersey
N Mex—New Mexico
nonres—nonresident
nor—northern
northeast—northeastern
northwest—northwestern
Norway—Norwegian
Nov—November
N.S.—Nova Scotia
N.W.—New South Wales
mamal—mammalian
nutrit—nutritional
N.Y.—New York State
N.Z.—New Zealand
obes—obese
obst—obstetric(s)
occup—occupation, occupational
oceanogr—oceanographical, oceanography
Oct—October
odontol—odontology
OECE—Organization for European Economic Cooperation
off—office, official
Oklahoma—Okla.
doctor—doctorate
oral—oralist
oscol—osteological, osteology
Ont—Ontario
oper—operation(s), operational, operative
ophthal—ophthalmologic, ophthalmological, ophthalmology
optom—optometric, optometrical, optometry
ord—ordnance
Ore—Oregon
org—organ
org—organization(s), organizational
ornith—ornithological, ornithology
orthod—orthodontia, orthodontic(s)
orthop—orthopedic(s)
osteop—osteopathic, osteopathy
otol—otologic, otology
otolaryngol—otolaryngologic, otolaryngology
otol—otologic, otology
Pa—Pennsylvania
Pal—Pacific
paleobot—paleobotanical, paleobotany
paleont—paleontological, paleontology
Pan Am—Pan American
parasit—parasitology
path—pathologic, pathological, pathology
pedag—pedagogic(s), pedagogical
pediat—pediatric(s)
P.E.—Prince Edward Island
pend—penological, penology
period—periodical, periodical(s), periodontology
petro—petrographic, petrographical, petrography
petro—petrographer
petroleum—petroleum, petrological, petrology
pharm—pharmacy
pharmac—pharmaceutic(s), pharmaceutical(s)
pharmac—pharmacology
phil—philosophical, philosophy
phot—photographic, photography
photon—photogrammetry
photom—photometric, photometric, photometry
physic—physiological, physiology
physiol—physiological, physiology
poultry—parkway
poli—political, politics
polytech—polytechnic
pomol—pomological, pomology
pop—population
postgrad—postgraduate
P.R.—Puerto Rico
prehist—prehistoric, prehistory
prep—preparation, preparative, preparatory
pres—president
Presby—Presbyterian
prev—prevention, preventive
prfnl—professional
prin—principal
prob—problem(s)
prob—probation
proc—proceedings
proctol—proctologic, proctological, proctology
prod—product(s), productive
prof—professor, professional
progs—program(s), programming
proj—project(s), projectional, projective
prom—promotion
prov—province, provincial
psychiat—psychiatric, psychiatry
psychoan—psychoanalysis, psychoanalytic, psychoanalytical
psych—psychological, psychology
psychomet—psychometric(s)
psychophys—psychophysical, psychophysics
psychophysiol—psychophysiological, psychophysiology
psychosom—psychosomatic(s)
psychotherapeut—psychotherapy
pub—public, publishing
publ—publication(s)
quart—quarterly
Que—Quebec
radio—radiological, radiology
R.A.F.—Royal Air Force
R.A.F.V.R.—Royal Air Force Volunteer Reserve
R.A.M.C.—Royal Army Medical Corps
R.A.M.C.—Royal Army Medical Corps
R.A.G.—Royal Army Ordnance Corps
R.A.S.C.—Royal Army Service Corps
R.A.S.C.—Royal Army Service Corps
R.C.A.—Royal Canadian Air Force
R.C.A.F.—Royal Canadian Air Force
R.C.A.F.V.R.—Royal Canadian Air Force Volunteer Reserve
R.C.A.M.C.—Royal Army Medical Corps
R.C.A.M.C.—Royal Canadian Medical Corps
R.C.A.S.C.—Royal Canadian Army Service Corps
R.C.A.S.C.—Royal Canadian Army Service Corps
R.C.E.M.—Royal Canadian Electrical & Mechanical Engineers
R.C.N.—Royal Canadian Navy
R.C.N.R.—Royal Canadian Naval Reserve
R.C.N.V.R.—Royal Canadian Naval Volunteer Reserve
rd—road
R.D.—Rural Delivery
R.E.—Royal Engineers
ref—refining
refrig—refrigeration
reg—register, registrars
rehab—rehabilitation
rel—relation(s), relative
religion, religious
R.E.M.—Royal Electrical & Mechanical Engineers
rep—representative
repub—republic
res—research, reserve, resident
ret—retired
rhy—rhythm
rhet—rhetorical, rhetorical
R.I.—Rhode Island
R.M.—Royal Marines
R.N.—Royal Navy
R.N.—Royal Naval Reserve
R.N.—Royal Naval Reserve
R.N.—Royal Naval Reserve
R.N.—Royal Naval Reserve
R.N.—Royal Naval Reserve
roentgen—roentgenologic, roentgenology, roentgenology
R.R.—Railroad, Rural Route
s—south
S.Africa—South Africa
S.Am—South America, South American
sani—sanitary, sanitation
Sask—Saskatchewan
S.C.—South Carolina
sch—school(s)
sc—scholar, scholarship
sci—science(s), scientific
S.D.—South Dakota
SEATO—Southeast Asia Treaty Organization
sec—secondary
sect—section
secy—secretary
seism—seismographic, seismographic, seismography
seismol—seismological, seismology
<table>
<thead>
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<th>ABBREVIATIONS</th>
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<td>sem—seminary</td>
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<td>Sept—September</td>
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<td>serol—serologic, serological, serology</td>
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<td>serv—service(s)</td>
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<td>silvicult—silvicultural, silviculture</td>
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<td>soc(s)—social, societies, society</td>
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<td>sociol—sociologic, sociological, sociology</td>
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<td>spec—special</td>
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<td>spectroscopic, spectroscopy</td>
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<td>speleol—speleological, speleology</td>
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<td>sr—senior</td>
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<td>sta(s)—station(s)</td>
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<td>stats—statistical, statistics</td>
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<td>stratig—stratigraphic, stratigraphy</td>
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<td>struct—structural, structure(s)</td>
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<td>subcm—subcommittee</td>
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<td>supervy—supervisory</td>
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<td>surg—surgical, surgery</td>
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<td>surve—survey, surveying</td>
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<td>Switz—Switzerland</td>
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<td>symp—symposium(s)</td>
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<td>sympl—symphyology</td>
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<td>syst(s)—system(s), systematic(s), systematical</td>
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<td>tech—technical, technique(s), technological, technology</td>
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<td>tel—telegraphy, telephone</td>
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<td>Tenn—Tennessee</td>
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<td>Tex—Texas</td>
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<td>theol—Theological, theology</td>
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<td>theoret—Theoretical</td>
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<td>ther—therapy</td>
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<td>therapeut—therapeutic(s)</td>
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<td>trop—tropical</td>
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<td>tuber—tuberculosis</td>
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<td>TV—television</td>
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<td>U.A.R—United Arab Republic</td>
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<td>U.K—United Kingdom</td>
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<td>UN—United Nations</td>
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<td>unemploy—unemployment</td>
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<td>UNESCO—United Nations Educational Scientific &amp; Cultural Organization</td>
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<td>UNICEF—United Nations International Childrens Fund</td>
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<td>univ(s)—universities, university</td>
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<td>urol—urologic, urological, urology</td>
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<td>U.S—United States</td>
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<td>U.S.A—U.S. Army</td>
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<td>U.S.A.F—U.S. Air Force</td>
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<td>U.S.A.F—U.S. Army Air Force Reserve</td>
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<td>U.S.N.A.F—U.S. Naval Air Force</td>
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<td>U.S.N.A.F—U.S. Naval Air Force Reserve</td>
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<td>U.S.N.R—U.S. Naval Reserve</td>
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<td>U.S.P.H.S—U.S. Public Health Service</td>
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<td>U.S.S.R—Union of Soviet Socialist Republics</td>
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<td>U.S.W.M.C—U.S. Women’s Marine Corps</td>
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<td>U.S.W.M.C.R—U.S. Women’s Marine Corps Reserve</td>
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<td>Va—Virginia</td>
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<td>veg—vegetable(s), vegetation</td>
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<td>vent—ventilating, ventilation</td>
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<td>vert—vertebrate</td>
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<td>vet—veteran(s), veterinarian, veterinary</td>
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<td>vol(s)—volume(s), voluntary, volunteer(s)</td>
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<td>v.pres—vice president</td>
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<td>VI—Vermont</td>
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<td>W—west</td>
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<td>W.A.C—Women’s Army Corps</td>
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<td>W.A.V.E.S—Women Accepted for Voluntary Emergency Service</td>
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<td>west—western</td>
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<td>WHO—World Health Organization</td>
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<td>wid—widow, widowed, widower</td>
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<td>Wisc—Wisconsin</td>
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<td>W.R.C.N.S—Women’s Royal Canadian Naval Service</td>
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<td>W.R.N.S—Women’s Royal Naval Service</td>
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<td>W.Va—West Virginia</td>
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<td>Wyo—Wyoming</td>
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<td>YMCA—Young Men’s Christian Association</td>
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<td>YWCA—Young Women’s Christian Association</td>
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<td>zoo—zoological, zoology</td>
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ABRAMS, ADAMO

University, 66; The management of anxiety in the diagnostic evaluation of the child, Menninger Bull, 11/68 & 16 higher education relevant, Col. Univ, spring 69. Address: Division of School Mental Health, The Menninger Foundation, 6001 South Medical P.O. Box 829, Wichita, Kans 67201.


BASCH, DR. HARRY H, b. Berlin, Germany, Jan. 25, 26; U.S. citizen, m. 58. SOCIOLOGY. A.B, Chicago, 51; M.A, Indiana, 58; Ph.(sociol), Pennsylvania, 69, Instnl. Sociol, Temple, 64-66; ASST. PROF, MORGAN-ST LUCY, 66-, U.S.A, 47-54; Prof, 54-, Social. Sociol. Sociological theory and the sociology of knowledge, especially social stratification and minority group phenomena. Pub: Determinism and avoidibility in sociological analysis, Ethnics, 64. Address: Dept. of Sociology, University of Missouri-St Louis, St Louis, 63121.


from the theoretical perspective of existential phenomenology. Publ: The descriptive methods and the types of subject matter of a phenomenologically based psychology exemplified by the phenomenon of learning, Univ. Microfilm, 70-76; Analysis, 3rd edition, 1964; teaching materials, various phases of a learning process, Rev. Existential Psychol. & Psychiatry, 37; Neurol. and psychiatric implications of consciousness and the recognition of various phenomena, 63, 64. Areas: Self-realization for legal secretaries, Tex. Am. Legal Secys. Docket, 9/68, plus others. Address: 411 Sixth St, Alpena, Mich. 49801.
CUE
CRUTTENDEN.
VI
Mission & consult, Coun.
Singer, GIST, Vet., Univ. Dept. Iated a Aphasia; PROF. State, Hearing Soc. to several & Admin. psychol, elections by path). PROF. State, Hearing Soc. Address:
SPEECH, WARREN.


children; child psychology; educational psychology. Address: Dept. of Psychology, Wisconsin State University-Stevens Point, Stevens Point, Wis. 54481.


Dillow, Dr. Paul V., b. Lyons, Eng, Feb. 4, 42; div. PSYCHOLOGY. B.Sc, Durham, 64; London, 64-65, Ph.D.(psychol), Tennessee, 68. Asst. PROF, PSYCHOLOGY, UNIVERSITY OF SASKATCHEWAN, 67-69, State Hosp., 68. Operant conditioning; information and avoidance learning; role learning and aggression; aggressive behaviors; behavior modification; behavioral techniques in the treatment of process variables. Address: Dept. of Psychology, Arizona State University, Tempe, Ariz. 85281.


Dingman, Dr. Paul R. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, Mental Health Sect, N.M. Health & Soc. Serv, Dept. 69-; Address: Route 3, Box 58, Old Aqua Fria Rd, Santa Fe, N.Mex. 87501.


Dion, Prof. Gerard. Industrial Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-author, Le syndicalisme Canadien, Laval Univ, 68.; Address: Dept. of Social Science, Laval University, Quebec City, Qc, Can.
EVANS, PROF. RICHARD VIRDIN

EVANS, PROF. RODNEY E.(ARL)

EVANS, DR. THOMAS RICHARD


EYON, DR. THOMAS GRANT.


EZELL, DR. DEE EEARL. b. Jena, La. Apr. 27, 22; m. 44; c. 1. MANAGEMENT, ECONOMICS. B.S. Texas Christian University, 44; M.S. Texas Christian University, 64; Ph.D.(pub. admin), American Univ., 68. Asst. dir. document pubs. center. Staff & Coll. Command Marines Corp Ed. Center, 61-64; marine adv. amphibious warfare, Chief Naval Ops, 64-65 dir. U.S. Marine Corp Res. activities, Center Naval Anal, Rochester Univ, 65-68; assoc. prof. manpower mgmt. bus. admin, Northern Illinois University, 68-70; Asst. prof. economics, De-


EVANS, DR. FRANCIS B. b. Edgerton, Mo. Mar. 15, 35; m. 58; c. 4. EDUCATIONAL RESEARCH. B.F.A. New Mexico, 58; M.A. Northern Arizona, 66; Ed.D.(ed. resa), New Mexico State, 69. ASSIST. PROF. ED. WISCONSIN GREEN BAY, 69- Ed. Res. Assn. Socio. Assn. Statis. Address: Dept. de-

EVANS, PROF. FRANKLIN B.(ACHELDER). Marketing, Mass Communica-

EVANS, DR. JAMES FREDERICK, b. Lacombe, Alta, Apr. 25, 42; m. 64; c. 3. SOCIAL PSYCHOLOGY. B.A. Alberta, 64; M.A. 66; Ph.D.(psychol), 68. Alt. PROP. PSYCHOL. LAKHEAD. Asst. Psychol. C.R. Am. Psychol. Asso. Social. Motivation; competition. Publ: Co-auth. Inhibitory effects of post trail stimulation on classical eyelash conditioning under partial reward. Psychonomic Sci., 12; 65; co-auth. Familiarization, social facilita-


EVANS, DR. JAMES FREDERICK, b. Lacombe, Alta, Apr. 25, 42; m. 64; c. 3. SOCIAL PSYCHOLOGY. B.A. Alberta, 64; M.A. 66; Ph.D.(psychol), 68. Alt. PROP. PSYCHOL. LAKHEAD. Asst. Psychol. C.R. Am. Psychol. Asso. Social. Motivation; competition. Publ: Co-auth. Inhibitory effects of post trail stimulation on classical eyelash conditioning under partial reward. Psychonomic Sci., 12; 65; co-auth. Familiarization, social facilita-


personnel management; organization theory. Publ. Technicals of general business education, OKLA. 1951; various; CHMN. State collegiate proceedings, Morrow, 52, rev. ed., 59, 62 & 71; Office management, 56, rev. ed. & 70: Address: 2434 Arlington Ave, Columbus, Ohio 43212.


HIGBEE, DR. RUTH VIRGINIA. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Address: Dr. base serv. unit, 70, Northampton County Mental Health/Mental Retardation Board, 2059 Lehigh St, Easton, Pa. 18042.


JOSEPH, DR. ROGER, b. Pasadena, Calif, July 23, 28; m. 63. ANTHROPOLOGY, B.A, Nevada, Reno, 60; M.A, California, Los Angeles, 63, Ph.D. (anthrop), 67. ASS'T PROF. ANTHROF, CALIF. STATE COLLEGE, FULLERTON, 67. AAHS, Anthrop. Assoc. Study of social uses of wealth in Morocco; Maritime; economics; religion; philosophy. Address: Dept. of Anthropology, California State College at Fullerton, 600 N. State College Blvd, Fullerton, Calif. 92631.


K


KIM, DR. BYONG S(UH), b. Sincheon, Korea, Nov. 4, 35; m. 65; c. 1. SOCIOLOGY. B.A, Fla. Presy. Col, 64; M.Th, Princeton Theol, Sem, 65; Ph.D (sociol, regr), Emory, 68. ASST. PROF. SOCIOLOGY, COL Col, 68- Korean Army, 69. Diplol. Soc. Soc. Study Relig., Rel. & Pol. div to Social institutional changes; student revolts and changes in university systems in the United States and Japan. Address: 117 14th St. N.E, Cedar Rapids, Iowa 52492.


Address: 1008 Chalmers St, Durham, N.C. 27707.
Address: 618-630, Psychol. Rev. 64-65; California, Riverside, 65-67; vis. prof, Stanford, 67-68; PROF, COLORADO, 68- Psychol. Assoc.; Psychonomic Soc. Mathematical models of learning; perception, learning, psychol., Wiley, 70; Address: Dept. of Psychology, University of Colorado, Boulder, 67-68.


LESTER, LESTER, LETOURNEAU, LEVI, and Behav. specific 14222. psychol, 66-70 & psychology-. Vol. 54660. Dr, ran. sensitivity', 33: Sensitivity, 33. Indiana 54660.

LEVIN, DR. LEWIS. Baptist, Oklahoma, & 62, instr. PSYCHOL, & 63, instr. PSYCHOL, ALBERT


& Seward Districts & Municipalities: A concept of a personnel philosophy. Per-
spectives, 11, 11-15. 11111. Address: College of Business, Utah State Uni-
versity, Logan, Utah 84321.
MARTEL, RAYMOND JOSEPH. Psychology. See L-Z Vol, 11th ed., Soc. & 
Douglas Dr., Bedford, Mass. 01730.
MARTELLARO, PROF. JOSEPH ALEXANDER. Economics. See L-Z Vol, 
Iliinois 69-70: 16022. Margaret Lane, De Kalb, Ill. 60115.
Behav. Vols. Change of address: 1124 S. Luna Circle, Santa Fe, N.Mex. 87505.
MARTIN, PROF. ROBERT MILLER. Clinical Psychology. See L-Z Vol, 11th 
University of Massachusetts Medical School, Winpenn, Mass. 66.
MARTIN, DR. WILLIAM CURTIS, b. San Antonio, Tex. Dec. 31, 1975; m. 57; 
& DR. MELODY A. JENSEN, b. Oklahoma City, Okla. June 15, 1976; m. 62; 
RICE, 66-69, PROF. 66-69. Grant, Rice Univ. Center State Study Change 
ment and secularization; criminology, particularly criminal behavior types 
and cancers, urban social problems, particularly poverty, race 
and community organization. Pub: Shepherds vs. dogs, 67; The God-
ucksters of radio, 67, Atlantic Monthly. Address: Dept. of Sociology, 
Rice University, Houston, Tex. 77001.
Soc. & Behav. Vols. New position: Prof. staff training, 70, George 
Junior Republic, Freeville, N.Y. 13068.
MARTINO, DR. THOMAS PATRICK, b. Binghamton, N.Y. Dec. 27, 29; m. 59; 
& DR. JOSEPH E. BROWN, b. Troy, N.Y. Dec. 27, 57; m. 58. 
Psychology. See L-Z Vol, 11th ed., Soc. & 
Personnel. 11th & U.S.A. 54-56. Address: Asst. prof. psyc. & Counselor Ed., 
Vanderbilt Univ. Counselor Ed. vocation & personal problems. Pub: How to become a 
dropout, Nat. Csh. Guide, 6th ed. Address: Counseling Center, 
King's University, Wilkes-Barre, Pa. 18701.
MARTINSON, PROF. TOM LEE, b. Portland, Ore. Nov. 7, 41; m. 65; e. 1. 
geog, Colorado, 66-67; PROF. GEOG. & COORDINATOR INT. STUD-
& T.B. Evans, 69. Asst. prof. geog. American Georgians, 69- 
Inst. Soc. Agriculture land use in Middle America, teaching library 
search methods in geography. Pub: Economic rent and selected changes 
in agricultural land use along the western highway of Honduras, 
1992-1952, Univ. Kansas, 69; Introduction to library research in geography; a self-
struction manual and short bibliography, Univ. Missouri-Kansas City Book 
store, 70. Teaching bibliography to geographers. Proc. Ind. Acad. Sci. 66. 
Address: Dept. of Geography, Ball State University, Muncie, Ind. 47306.
MARTORELLA, PROF. PETER HOWARD. Contemporary U.S. History, Social 
MARTY, DR. WILLIAM RAY, b. Ada, Okla, May 18, 30; m. 62; e. 2. 
POLITI-
CAL SCIENCE. B.A. Oklahoma, 60; South. Fcl. Fund & Lc, 60-63; M.A. 
63, Ph.D.(polil. sci). 68. Asst. prof. PROF. SCI. MEMPHIS STATE, 
69. Prof. Soc. Sci. Soc. Political theory; theories of violence and alternatives; 
Negro protest thought. Pub: The policeman's image, In: Mutual responsibili-
ity in community relations, Memphis State Univ. 68. Address: Dept. of 
Political Science, Memphis State University, Memphis, Tenn. 38111.
MARUM, DR. KENNETH DONALD, b. Fall River, Mass. Mar. 25, 34; m. 56; 
& DR. JoCROSS, b. South. Col. 35; m. 55. Asst. prof. PROF. SCI. 
Berea State Col., 57; M.A. Brown, 63; Ph.(polil. sci). 
& assoc. psychology, inst. study human probe, 
Stanford, 62-64; sr. couns., Parks Job Corps Center, Pleasanton, 
Calif, 65, & assoc. interperson. Rel. & Delinquency, 
Sacramento, 65-66; assoc. prof. psychol, San Francisco State Col, 66-67; 
res. assoc. community tension, center for study violence, Brandeis, 67-68; 
ASSOC. PROF. SOCSCI. STATE, STATE, 57-58. Asst. prof. 
Asst. Cultural epistemology; developing middle class inculticle re-
seach between communicative different processes, mutual 
causal systems; future society: study of phenomena excluded by 
present science. Pub: Community psychology, Research behavior, 
Spring & summer 61; The second cybernetics: deviation-accumulating mutual 
causal processes, Am. Scientist, 61-63; Monopolization, family and in-
California State College at Hayward, 29000 Hillary St, Hayward, Calif. 94542.


MILLER, DR. KENNETH EDWARD. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 70-. Dept. of Sociology, Drake University, Des Moines, Iowa 50311.


MILLER, DR. LANCE A, b. El Paso, Tex., Aug. 28, 38; m. 61; 2. EXPERIMENTAL PSYCHOLOGY B.A, Texas Western College, 60; M.A, San Fernando Valley State Coll, 64; Ph.D. Psychol, 68. Asst. prof. Psychol, 64-67; lectr, Harvey, 68-69; ASOC. PROF, 70-. 14. 25070.


MILLER, DR. LEONARD S, b. Jersey City, N.J., Dec. 21, 38; m. 65. ECONOMICS A.B, California, Berkeley, 61; Ph.D.(econ), 67; Ph.D.(poli. sci), 71. Univ. Michigan, 61-64; Asst. prof., 64; Prof., 68-. 14. 25070.

MILLER, DR. LAWRENCE R, b. Ann Arbor, Mich., Jan. 1, 49; m. 73. ASST. PROF. ECON, STATE UNIV. N.Y., STONY BROOK, 69. Address: Dept. of Economics, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.


MILLER, DR. MILDRED SAYRE, b. Lockport, N.Y. PSYCHOLOGY B.S, Wisconsin, 35; Ph.M, 38; Chicago, 38-43; M.A & M.D.(psychiat. guid), Columbia, 50; Cambridge, 50. Asst. to dean, housing, Wisconsin, 55-57; dir. of placement, 57-60. 14. 25070.


MILLER, DR. MILDRED SAYRE, b. Lockport, N.Y. PSYCHOLOGY B.S, Wisconsin, 35; Ph.M, 38; Chicago, 38-43; M.A & M.D.(psychiat. guid), Columbia, 50; Cambridge, 50. Asst. to dean, housing, Wisconsin, 55-57; dir. of placement, 57-60. 14. 25070.


MORRISON, DR. RODNEY J. b, Boston, Mass, May 28, 34; m. 60; c. 1. ECO- 
NOMICS. B.S., Boston College, 59, M.A., 61; M.S., Wisconsin, 64, Ph.D.(econ), 65. 
and econ, 67; Teachng hour- 
loads in larger institutions revisited, Am. Econ. Rev, 69. Address: Dept. of 

MORRIS, PROF. JAMES HENRY, b, Beaumont, Tex, Feb, 4, 21; m. 41; c. 2. 
DIST. RES. & TESTING, McNESSE STATE COL, 61 - Psycho. Asm. Person-
nel. Instructor, Minneapolis. M. A, 66, Dir, Natorium, 
ing of test scores; evaluation of curriculum; evaluation of students. Publ: 
Reporting test results: percentile versus percentile ranks, J. Ed. Measure-
ment. 64; The academic achievement of black students in American and Euro-
pean economic development; significance of immigration on a developing 
economic system: student ability and economic development of the 
Belgian case, Scandinavian Econ. Hist. Rev, 67: The Liberian reforms, the 
turning point for academic input, 66, Am. Instul. Res. Ad-
dress: Division of Educational Research & Development, Medical College 
of Georgia, Augusta, Ga. 30902.

MORS, PROF. RICHARD MCQUEEN. History. See 5th ed, Dir. Am. Scholars, 
Vol. 1, Hist.

MORTENSEN, DR. C. DAVID, b, Chicago, Ill, Sept, 16, 39; m. 60; c. 2. 
Sociology and commun. sci, 67; 70; ASSOC. PROF. SPEECH COMMUN, WISCONSIN, MADISON, 70. 
SPEECH COMMUN, Nat. Study Commum. Communication theory; dyadic communication; persuasion. Publ: 
Communication: Foundations of a general theory, 61; Principles of the influe-
ce of television on policy discussion, 10/68 & The status of small group 
research, 70. Quart. J. Speech. Address: Dept. of Speech, University of Wis-
consin, Madison, Wis. 53706.

MORTMER, DR. KENNETH P. b, Wakefield, Mass, July 11, 37; m. 59; c. 1. 
POLITICAL SCIENCE, HIGHER EDUCATION. A.B, Pennsylvania, 60, Warr-
ton fel. & M.B.A, 62; Calif. State Col, Hayward, 65; San Francisco State 
Col, 68. Address: 4016 Sutter St, Berkeley, Calif, 94705.

MORTON, PROF. JOSEPH E(DWARD). Economic Statistics. See L-Z Vol, 
11th ed, Soc. & Behav. Vols. New position & address: Vis. prof, Dept. of 

MORTON, DR. RICHARD KNOWLES, b, Oak Park, Ill, Feb, 9, 40; m. 37; 
10/68; Adelphi, 69; Asst. prof. Econ, 69; Adelphi, 70; Asst. prof. 
Econ, 70. Dean, 70. Address: 9448 Chosn Dr, Elmhurst, Ill, 60126.

& Behav. Vols. New position & address: Vis. prof, Dept. of Econ. 
Economics, Illinois State University, Schroder Hall, Normal, Ill. 61761.

& Behav. Vols. New position & address: Vis. prof, Dept. of 
Economics, Illinois State University, Schroder Hall, Normal, Ill. 61761.

MOSES, DR. HAROLD ALTON, b, Filpinn, Ark, Dec, 20, 26; m. 2. COUN-
sELING PSYCHOLOGY. B.S. in Educ, Southeast Mo State Col, 54; M.A, 
Michigan, 60; Ed(D) psychol. 64; Counselor, 64-67. Cancer 
couns, 60-65; asst. prof. ED. PSYCHOL, ILLINOIS. URBANA, 65-69, AS-
SOC. PROF. EDUC. PSYCHOL, 70. Address: 4444 Grove Ave, Chicago, 
Il. 60618; Asst. prof. Educ. Psychol. 70. Address: College of Education, University of Delaware, Newark, Del. 19711.

MOSHER, PROF. FREDERICK (CAMP). Political Science. See L-Z Vol, 
11th ed, Soc. & Behav. Vols. New position & address: Doherty Prof, 68- 
Wptow Wilson Depi, Admin of Foreign Affairs, University of Virginia, 
Charlottesville, Va. 22901.
and student unrest, improving Coll. & Univ. Teaching. (in press). Address: Dept. of Educational Psychology, 188 Education Bldg.; University of Illinois, Urbana, IL 61801.


Moss, DR. ALLEN MILLER, b. Bethpage, Tenn., Aug. 31, 23; m; 50; c. 2; PSYCHOLOGY. B.A., Western Ohio State Coll.; Ph.D., Indiana. Attn: Psychology. Defense of Negro.


PERLOFF, PERRY, PERRY, In: and national levels. Publ: The University of Tokyo Press, Tokyo, Japan.


Inventory analysis, a source of savings for wholesalers, Ala. Bus. 11/65 & Business Statistics: Analysis of inventory management. 2: Retailing, assoc. 68.
Address: Dept. of Management, University of Alabama School of Commerce, University, AL 35484.


RICH, PROF. MAYNARD L., b. Donovan, Ill., Apr. 8, 29; m. 52: c. 3. PSYCHOLOGY, THEOLOGY. B.S., Indiana State Univ., 47, M.S., 54; B.D., Drew, 54, Ph.D. (ed. psyc.), 60; Prof., Col. of Liberal Arts, Colby, 60: instr. sociol. Mich. State, 62-64; instr, Calvin Col., 64-66, assst. prof., 66-69; PROF. PSYCHO. & RES. ASSOC. POP. RES. LAB, SOUTHERN CALIF- ORNIA U., 69-76. Assistant Professor, Oceanography, and Regional Development Center. Address: Dept. of Sociology, University of California, Santa Cruz 95060.


SCHWITZGEBEL, SISTER M. CHRISTINA, I.H.M. Sociology. See CHRISTINA (SCHWITZGEBEL), SISTER M. I.H.M., this Suppl.


SCHWITZGEBEL, SISTER M. (HUMBERT), I.H.M. Sociology. See CHRISTINA (SCHWITZGEBEL), SISTER M. I.H.M., this Suppl.


SIEGEL, DR. WILLIAM CARL, b. Eau Claire, Wis, Sept, 11, 32; m. 62; c. 4 FORESTRY, ECONOMICS, B.S, Mich. State, 54, M.S, 57; Tulane, 60; La. State, 63. Address: Admin. of natural resources, Oregon State University, Corvallis, Ore. 97331.

SILBERDICK, Prof. JOHN B, b. Maribos, Norw, June 5, 26; 60. PSYCHOLOGY, B.A, Rochester, 60; Ph.D, Columbia, 64; Assoc. prof, 66-68, Prof, 68-70. Address: Psychology, University of Rochester, Rochester, N.Y. 14627.


WISGEN, DR. MILES, b. Montreal, Que, Oct. 29, 13; m. 35; c. 2. PSYCHOLOGY, STATISTICS. B.A. Sir George Williams, 56; M.A., McGill, 57; Ph.D., 61. Address: 7450 Avenue de la Savane, Montreal, Que. 13200.


WOJW enhance, develop, and benefit their community. This involves, among others, the provision of a model for the Coffs of the worldwide and the integration of technology and social change. This is supported by the major grants from the National Science Foundation and the National Geographic Society.