

ANNUAL REPORT

DEPARTMENT OF EPIDEMIOLOGY

July 1, 1963 - June 30, 1964

I. ORGANIZATION

A. FULL-TIME FACULTY

John Cassel, M.B.B.Ch., M.P.H., Professor and Head
of Department

John T. Fulton, D.D.S., Professor of Dental
Epidemiology

C. David Jenkins, Ph.D., Assistant Professor of
Epidemiology

John R. McDonough, M.D., Assistant Professor of
Epidemiology

Ralph Patrick, Ph.D., Associate Professor of
Epidemiology (Anthropology)

Cecil Slome, M. D., Associate Professor of
Epidemiology

Herman A. Tyroler, M.D., Associate Professor of
Epidemiology

Robert N. Wilson, Ph.D., Professor of Epidemiology,
(Sociology)

B. PART-TIME FACULTY

Dr. Jacob Koomen, Visiting Associate Professor

Dr. Burns Jones, Visiting Assistant Professor

Dr. John Hughes, Visiting Instructor

C. OTHER FULL-TIME PERSONNEL

Marshall Lichtman, M.D., Visiting Research Associate

Charles Mercer, Research Associate

Theresa Turk, Research Associate

Sarah Stulb, Research Associate

Jo Maready, Research Associate

Sandra Thomas, Research Associate

Betty L. Warren, Secretary

Gay Goss, Secretary

Loretta Sawyer, Secretary

D. OTHER PART-TIME PERSONNEL

Nancy Herb, Research Associate

Sam Bryan, Research Associate

Natalie Harbin, Secretary

Phillip Poovey, Data Processor

James Beck, Data Processor

Brenda Harris, Secretary

II. BUDGETS AND GRANTS

SOURCE	PERSONNEL	FELLOW- SHIPS	NON- SALARY	RESEARCH AND/OR TRAINING	OVER- HEAD	TOTAL
USPHS NIH	48,972	40,660	9,094	Teaching	7,558	106,284
USPHS NIH	12,500		2,088	Teaching	1,167	15,755
USPHS NIH	14,300		978	Teaching	1,222	16,500
USPHS NIH	12,500		8,888	Research	4,278	25,666
USPHS NIH	18,500		21,622	Research	8,024	48,146
UNIVERSITY FUNDS	53,137		7,925	Teaching		61,062
USPHS HEW	5,900		935	Research	1,025	7,860
TOTAL	165,809	40,660	51,530		23,274	281,273

III. PHYSICAL FACILITIES

The Department of Epidemiology is located on the second floor of the North Wing of the New School of Public Health Building. There are eight offices occupied by professors, three by research associates, and one large office used by the doctoral students. In addition, there is a conference room, an IBM machine room with office space for the machine room supervisor and one large office occupied by the three secretaries.

The electronic data processing equipment belonging to the Department includes: IBM 101, 026, 083, 085, and 514.

IV. INSTRUCTIONAL ACTIVITIES

During the current year there have been sixteen students majoring in the field of Epidemiology. Four of these students will complete the requirements for the degree of Master of Public Health by August 1964. One has completed course requirements for the degree of Doctor of Public Health and is working on his dissertation. One has completed course requirements for the degree of Ph.D. and is working on his dissertation. One student will spend an additional year working toward his Doctor of Public Health and six toward their Ph.D. We have one student who has finished the M.P.H. requirements and has been taking the advanced Epidemiology courses, and one special student who did not get the M.P.H., but who has taken advanced Epidemiology training. One student will spend an additional year working on the M.P.H. Two students are working for Ph.D.'s in Sociology and respectively are taking Epidemiology as their minor.

A. Departmental Instructional Program in the School of Public Health

<u>COURSE</u>	<u>NUMBER OF STUDENTS</u>
P.H. 160 - PRINCIPLES OF EPIDEMIOLOGY	133
P.H. 261 - DENTAL EPIDEMIOLOGY	4
P.H. 262 - EPIDEMIOLOGY IN PUBLIC HEALTH FAMILY PRACTICE	23
P.H. 263 - COMPARATIVE EPIDEMIOLOGY	29
P.H. 264 - CULTURE AND HEALTH	24

P.H. 265 - HISTORY OF EPIDEMIOLOGY	13
P.H. 266a- EPIDEMIOLOGICAL INVESTIGATION	18
P.H. 266b- FIELD INVESTIGATION	5
P.H. 360 - RESEARCH IN EPIDEMIOLOGY	8
<u>B. Course Teaching Outside the Department</u>	

- a) Dental School
The department is responsible for the total teaching of the course in Dental Epidemiology to 3rd year dental students.
- b) Medical School:
Faculty members of this department participate in courses in all 4 years in the Medical School. These courses are:
1st year-Human Ecology
2nd year-Epidemiology
3rd year-The Doctor and His Community
4th year-The Physician's Role in Medical Care
- c) Department of Sociology and Anthropology:
Dr. Ralph Patrick is responsible for teaching an anthropology course for the Department of Sociology and Anthropology.
- d) Duke University School of Nursing:
The section of a course entitled Public Health Sciences which is devoted to Epidemiology is taught by this department.

V. SCHOOL ACTIVITIES IN THE GREATER UNIVERSITY

- Member of Executive Faculty, School of Public Health
Dr. Cassel
- Member, Joint Committee School of Public Health and School of Medicine on Medical Care
Dr. Cassel
- Member of Traineeship Committee, School of Public Health
Dr. Fulton

Faculty Advisor, Alpha Tau Omega Fraternity	Dr. Patrick
Instructor in Nutrition Institute	Dr. Patrick
Member of Foreign Student Committee, School of Public Health	Dr. Slome

VI. SERVICES TO STATE AND NATION

Member, Community Research and Services Committee of the National Institutes of Mental Health	Dr. Cassel
Consultant to the Public Health Service Cooperative Study	Dr. Cassel
Ad Hoc Consultant to the National Heart Institute	Dr. Cassel
Ad Hoc Consultant to the Human Ecology Study Section of the Public Health Service	Dr. Cassel
Ad Hoc Consultant to the National Institutes of Mental Health	Dr. Cassel
Consultant to the Georgia State Board of Health Joint Disease Control Section	Dr. Cassel
Consultant to the University of South Carolina Medical School, Cardiovascular Disease Research Project	Dr. Cassel
Consultant to the Evans County Cardiovascular Disease Research Project	Dr. Cassel
Consultant to the North Carolina Hospitals Board of Control to set up a psychiatric register in Raleigh	Dr. Cassel
President, American Board of Dental Public Health	Dr. Fulton
Member, Human Ecology Study Section, N.I.H.	Dr. Fulton
Consultant to Division of Dental Hygiene of the State Health Department	Dr. Fulton
Consultant to Division of Dental Public Health and Resources of the Public Health Service	Dr. Fulton

Special Consultant to the National Institute of Dental Research	Dr. Fulton
Instructor in "Short Course for Dental Public Health Workers" sponsored by U.S.P.H.S.	Dr. Fulton
Consultant Medical Center of University of Alabama for N.I.H.	Dr. Fulton
Consultant to Florida State Board of Health on Hillsborough County Oral Polio Vaccine Project	Dr. Patrick
Member of Nurse Scientist Study Section, Public Health Service	Dr. Patrick
Consultant to Southern Regional Education Board, Atlanta, Georgia	Dr. Patrick
Consultant to U. S. Department of Agriculture, Federal Extension Service, Atlanta, Georgia	Dr. Patrick
Consultant to Florida State Board of Health, Workshop in Health Education	Dr. Patrick
Consultant to Florida State Board of Health on Hillsborough County Oral Polio Vaccine Project	Dr. Jenkins
Lecturer, Home Nursing Care Workshop, sponsored by Cabarrus County Health Department, and N. C. State Board of Health, Concord, N. C. March 24-25, 1964	Dr. Jenkins
Research Director, Health Research Foundation	Dr. Tyroler
Consultant, Juvenile Planning Council of Asheville and Buncombe County	Dr. Tyroler
Consultant, Evans County, Georgia, Cardiovascular Diseases Research Project	Dr. Tyroler
Consultant to Epidemiological Studies in Cardio- vascular Diseases in Charleston, South Carolina and Atlanta, Georgia	Dr. Tyroler
Consultant to the Medical Director of National Aeronautics and Space Agency	Dr. Tyroler
Instructor in "Short Course for Radiological Health Workers" sponsored by U.S.P.H.S.	Dr. Tyroler

Consultant to "Family Health Studies" under direction of Dr. Ruth Peachey	Dr. Tyroler
Consultant to Epidemiological Studies in Cardiovascular Diseases in Charleston, S. C. and Atlanta, Georgia	Dr. McDonough
Consultant to Epidemiological Studies in Cardiovascular Diseases in Charleston, South Carolina	Dr. Slome
Consultant to County Health Officer of Randolph County on Hypertension of School Children	Dr. Slome
Participant in Conference on Research Methodology and Needs of Perinatal Study on U. N. C., School of Public Health	Dr. Slome
Process Analyst, National Commission on Community Health Services	Dr. Wilson
Consultant, Association of American Medical Colleges	Dr. Wilson
Consultant, Carnegie Corporation of New York	Dr. Wilson
Committee on Social Policy for Medical Care, New York Academy of Medicine	Dr. Wilson
Consultant, Southern Regional Education Board	Dr. Wilson
Ad Hoc Committee on the Humanities, American Sociological Association	Dr. Wilson

VII. RESEARCH PROJECTS

1. N. C. Dental Health Project
2. The Evans County Cardiovascular Disease Study
3. Evans County Lipoprotein Study
4. Epidemiology of Diabetes in General Practice
5. Industrial Health Study
 - a. Champion Paper and Fibre
 - b. New York Times
 - c. Sandia Corporation

6. Culture **Change** and Health Project
7. Epidemiology of Polio Vaccine Acceptance
8. Personality Factors in Coronary Heart Disease
9. The Use of Semantic Differential as a Tool for Determining Perceptions for Disease
10. The Epidemiology of Unclassified Mycobacteria
11. The Epidemiology of Electrocardiographic Abnormalities
12. Studies on the Use of the Cornell Medical Index in Health Populations
13. Family Patterns of Acceptance of Health Programs
14. Automated Study of Papago Lineage Systems

VIII. PUBLICATIONS

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| <p>Dr. John Cassel
with
Dr. H. A. Tyroler</p> | <p>"Health Consequences of Culture Change: II. The Effect of Urbanization on Coronary Heart Mortality in Rural Residents," <u>Journal of Chronic Diseases</u>, Vol. 17, February 1964, pp. 167-177.</p> |
| <p>Dr. John Cassel</p> | <p>"Social Science Theories as a Source of Hypotheses in Epidemiological Research," (In Press, <u>Amer. J. Pub. Health</u>).</p> |
| <p>Dr. John Cassel</p> | <p>Book Review. <u>Psychiatric Disorder Among the Yoruba</u>. Cornell University Press. <u>American Journal of Public Health</u>. (In Press).</p> |
| <p>Dr. Ralph Patrick</p> | <p>Book Review. Culture and Behavior: Collected Essays of Clyde Kluckhohn. Edited by Richard Kluckhohn. New York: The Free Press of Glencoe, 1962. <u>Social Forces</u>, October 1963, pp. 121-122.</p> |

- Dr. Ralph Patrick Book Review. Perceptions of Illness and Medical Practice. Stanley H. King. New York: Russell Sage Foundation, 1962. American Anthropologist, Vol. 65, No. 5, October, 1963, pp. 1205-1206.
- Dr. J. R. McDonough "Cardiovascular Disease Field Study in Evans County, Ga." Public Health Reports, Vol. 78, No. 12, Dec. 1963.
- Dr. H. A. Tyroler
with
Dr. A. L. Johnson "Patterns of Preventive Health Behavior in Populations. Part One: Acceptance of Oral Poliomyelitis within Families." (In Press).
- Dr. H. A. Tyroler
with
Dr. John T. Fulton "Patterns of Preventive Health Behavior in Populations. Part Two: Levels of Carious Tooth Salvage within Families." (In Press).
- Dr. Cecil Slome "Food Frequency Interview as an Epidemiological Tool," Amer. J. Public Health, Vol. 53, No. 7, July 1963.
- Dr. Cecil Slome
with
Dr. S. L. Kark
Dr. E. Peritz
Dr. E. Shiloh "Epidemiological Analysis of the Hemaglobin Picture in Parturient Women," Am. J. P. H., (In Press).
- Dr. Robert N. Wilson "Patient - Practitioner Relationships," Chapter II of Handbook of Medical Sociology, edited by Freeman, Levine, and Reeder. (Prentice-Hall).
- Dr. Robert N. Wilson "Albert Camus: Personality as Creative Struggle," Chapter 15 of The Study of Lives, edited by Robert W. White. (Atherton Press).
- Dr. Robert N. Wilson "Samuel Beckett: The Social Psychology of Emptiness," The Journal of Social Issues, January, 1964, Vol. XX, No. 1.
- Dr. C. D. Jenkins "Comparison of Public Beliefs and Feelings about Tuberculosis, Polio, Cancer, and Mental Illness." Submitted to Public Health Reports.

- Dr. C. D. Jenkins "The Weight Discrimination Test as an Indicator of Brain Pathology." Journal of Clinical Psychology. (In Press).
- Dr. C. D. Jenkins with Dr. T. J. Northcutt and Dr. A. L. Johnson "Behavioral Science Evaluation of Advances of Oral Vaccine Programs." Chapter in Florida State Board of Health Monograph No. 10. (In Press).

IX. SCIENTIFIC PAPERS PRESENTED

- Dr. John Cassel "Social Class and Mental Disorder," given at the Institute for Social Research at Florida State University in Tallahassee, Florida.
- Dr. John Cassel "Potentialities and Limitations of Epidemiology" given at the Summer School of Alcoholic Studies at Rutgers University.
- Dr. John Cassel "The Scientific Practice of Public Health," North Carolina State Board of Health.
- Dr. John Cassel "Social Factors and Etiology of Disease," Johns Hopkins School of Public Health.
- Dr. John R. McDonough "Coronary Heart Disease Among Negroes and Whites in Evans County, Georgia," presented in Los Angeles, California to the American Heart Association and presented in Chicago, Illinois to the Cardiovascular Epidemiology Meeting.
- Dr. John R. McDonough "Blood Pressure and Hypertensive Disease Among Negroes and Whites in Evans County, Georgia," presented to the International Symposium on Epidemiology of Hypertension in Chicago, Illinois.
- Dr. John R. McDonough "Contrasts in the Patterns of Cardiovascular Disease Between Negroes and Whites in Evans County, Georgia," presented to the American Epidemiology Society in Ann Arbor, Michigan.

Dr. M. A. Ibrahim
with
Dr. C. D. Jenkins
Dr. John Cassel
et al.

"The Role of Certain Psychological Factors in Coronary Heart Disease," presented at American Heart Association Conference on Cardiovascular Disease Epidemiology, Chicago, Illinois.

X. FULL-TIME FACULTY APPOINTMENTS, PROMOTIONS, RESIGNATIONS, LEAVES OF ABSENCE

A. Appointments: Robert N. Wilson, Ph.D., Professor of Epidemiology, July 1, 1963

B. Promotions: None

C. Resignations: John R. McDonough, M.D., Assistant Professor of Epidemiology, June 1, 1964.

Sarah Stulb, Research Associate, December 31, 1963.

Theresa Turk, Research Associate, September 30, 1963.

D. Leaves of Absence: None