

ANNUAL REPORT

DEPARTMENT OF EPIDEMIOLOGY

July 1, 1962 - June 30, 1963

I. ORGANIZATION

A. FULL-TIME FACULTY

Edward G. McGavran, A.B., M.D., M.P.H., Sc.D.,
Professor of Epidemiology

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

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

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

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

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

Norman Miller, A.B., Ph.D., Associate Professor of
Epidemiology

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

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

B. OTHER FULL-TIME PERSONNEL

Charles Mercer, Research Associate

Theresa Turk, Research Associate

Sarah Stulb, Research Associate

Betty L. Warren, Secretary

Gay Goss, Secretary

C. PART-TIME PERSONNEL

Dr. Jacob Koomen, Visiting Associate Professor

Dr. Burns Jones, Visiting Assistant Professor

Dr. John Hughes, Visiting Instructor

Dr. Alexander Pearson, Advisor to Dental Project

Edith S. Solomon, Part-time secretary

II. BUDGETS AND GRANTS

SOURCE	PERSONNEL	FELLOW- SHIPS	NON- SALARY	RESEARCH AND/OR TRAINING	OVER- HEAD	TOTAL
USPHS NIH	10,597		8,703	Research	2,895	22,195
USPHS NIH	53,807	16,000	3,959	Teaching	5,765	79,531
USPHS NIH	13,354		1,924	Teaching	1,222	16,500
USPHS NIH	12,950		2,212	Teaching	1,213	16,375
USPHS NIH	11,800		23,200	Research	5,250	40,250
UNIVERSITY FUNDS	28,874		2,130	Teaching		31,004
TOTAL	131,382	16,000	42,128		16,345	205,855

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 seven 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.

IV. INSTRUCTIONAL ACTIVITIES

During the current year there have been thirteen students majoring in the field of Epidemiology. Seven of these students will complete the requirements for the degree of Master of Public Health by August 1963. One has completed requirements for the degree of Doctor of Public Health. Two have completed course requirements for the degree of Ph.D. and are working on their dissertations. One student will spend an additional year working toward his Doctor of Public Health and one toward his Ph.D. We have one student who has finished the M.P.H. requirements and has been taking the advanced Epidemiology courses.

A. Departmental Instructional Program in the School of Public Health

<u>COURSE</u>	<u>NUMBER OF STUDENTS</u>
P.H. 160 - PRINCIPLES OF EPIDEMIOLOGY	130
P.H. 261 - DENTAL EPIDEMIOLOGY	2
P.H. 262 - EPIDEMIOLOGY IN PUBLIC HEALTH FAMILY PRACTICE	19
P.H. 263 - COMPARATIVE EPIDEMIOLOGY	24
P.H. 264 - CULTURE AND HEALTH	14
P.H. 265 - HISTORY OF EPIDEMIOLOGY	12
P.H. 266A - EPIDEMIOLOGICAL INVESTIGATION	19

P.H. 266B - FIELD INVESTIGATION	3
P.H. 360 - RESEARCH IN EPIDEMIOLOGY	6

B. Course Teaching Outside the Department

- 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 Administrative Board, School of Social Work	Dr. Cassel
Member of Executive Faculty, School of Public Health	Dr. Cassel
Member of Advisory Committee, School of Public Health	Dr. Cassel
Member of Traineeship Committee, School of Public Health	Dr. Fulton
Member, Advisory Board, YMCA-YWCA	Dr. Patrick
Faculty Advisor, Alpha Tau Omega Fraternity	Dr. Patrick
Instructor in Nutrition Institute	Dr. Patrick

VI. SERVICES TO STATE AND NATION

Member, Medical Research Study Section, Vocational Rehabilitation Administration, Washington	Dr. Cassel
Consultant to Epidemiological Studies in Cardio-Vascular Diseases in Charleston, South Carolina and Atlanta, Georgia	Dr. Cassel
Consultant to the Executive Committee, Guilford County Committee of Chronic Illness	Dr. Cassel
Member of Rehabilitation Institute Planning Committee for Tuberculosis	Dr. Cassel
Consultant to North Carolina Chapter of Cerebral Palsy	Dr. Cassel
Member of the Orange-Durham County Committee on Chronic Illness	Dr. Cassel
Member of Nominating Committee of the American Public Health Association	Dr. Cassel
Member Advisory Committee for Study of Crippling Conditions in Childhood	Dr. Cassel
Panel Member Annual Conference of N. C. Health Council	Dr. Cassel
Consultant, N. C. State Board of Health on Diabetes Project	Dr. Cassel
Participant, Workshop on Research in Public Health Raleigh, North Carolina	Dr. Cassel
Panel Member, Discussion on "Workshop on Problems of Method in Epidemiologic Studies of Mental Disorder," Miami, Florida	Dr. Cassel
Participant, CDC Training Course, "Applied Epidemiology," Applications of Epidemiology, Epidemiology of Noninfectious Diseases, Atlanta, Georgia	Dr. Cassel
Participant, Frontiers of Current and Future Medical Research, New York	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 to Mental Health Section, N.C.State Board of Health	Dr. Patrick
Instructor in "Short Course for Dental Public Health Workers" sponsored by U.S.P.H.S.	Dr. Patrick
Consultant to Florida State Board of Health on Hillsborough County Oral Polio Vaccine Project	Dr. Patrick
Member of Nurse Scientist Training Group, Public Health Service	Dr. Patrick
Consultant, Pan American Health Organization, Malaria Eradication Program	Dr. Jenkins
Consultant to Florida State Board of Health on Hillsborough County Oral Polio Vaccine Project	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, S. C. and Atlanta, Georgia	Dr. McDonough

VII. RESEARCH PROJECTS

1. Health Consequences of Culture Change
 - a) The Effect of Urbanization on Mortality Forces
 - b) Culture Contact and Patterns of Morbidity Among the Papago II B₃
 - c) Industrialization and Patterns of Morbidity
2. Psychological, Social and Cultural Determinants of Acceptance of Health Programs
3. Natural History of Dental Disorder in North Carolina
4. The Use of General Practitioner Records for Epidemiological Studies
5. Racial Distribution and Determinants of Coronary Heart Disease II B₃
6. The Influence of Diet on Serum Lipids on Coronary Heart Disease
7. The Determinants of Blood Sugar Levels in Dogs
8. Personality Factors in Coronary Heart Disease
9. A Study of Cardiovascular Diseases in the Adult Population of Evans County, Georgia II B₃
10. Development of Techniques to Measure Public Beliefs and Feelings about Specific Diseases
11. The Relative Influence of Anxiety, Tobacco Usage, Nutrition, and Oral Hygiene on the Emergence of Periodontal Pathology

VIII. PUBLICATIONS

Dr. John Cassel

"Health," Proceedings of the Golden Anniversary Meeting North Carolina Conference for Social Service, pp. 52-59.

✓ Dr. John Cassel

"Cultural Factors in the Interpretation of Illness. A Case Study" A Practice of Social Medicine, edited by S.L. Kark and S. W. Stuart, E. and J. Livingstone, Ltd. 1962, Edinburgh and London.

- Dr. John Cassel "Operational Definitions of Epidemiologic Studies of Mental Disorders," Proceedings of the Technical Assistance Project, Jacksonville, (Florida) University, 1962.
- Dr. John Cassel "The Uses of Medical Records: Opportunity for Epidemiological Studies," Journal of Occupational Medicine, April, 1963.
- ✓ Dr. John Cassel
with
(Dr. Burns Jones) "Uses of Private Physician's Records for Maternal Health Studies," North Carolina Medical Journal, Vol. 24: 105-108, March, 1963.
- ✓ Dr. John Cassel
with
(Dr. Herman Tyroler) "Health Consequences of Culture Change: II. The Effect of Urbanization on Coronary Heart Mortality in Rural Residents." (In press).
- Dr. John Cassel Book review. Epidemiology in Nursing edited by Marjorie J. Corrigan and Lucile E. Corcoran. American Journal of Public Health, Volume 52, No. 4, April, 1962, p. 709.
- Dr. John Cassel "Public Health Concepts in Mental Health." Proceedings of the State Mental Health Program Directors Conference, Columbia, South Carolina, November 30-December 1, 1961.
- ✓ Dr. John Cassel "Social and Cultural Considerations in Health Innovations." Annals of New York Acad. Sci., (In press).
- ✓ Dr. David Jenkins "The Relation of EEG Slowing to Selected Indices of Intellectual Impairment," Journal of Nervous and Mental Disease, Vol. 135, No. 2, August, 1962, pp. 162-170.
- ✓ Dr. David Jenkins
with
(Dr. Charles Davis) "Mental Stress and Oral Diseases," Journal of Dental Research, 41, (September-October, 1962), 1045-1049.

- Dr. John McDonough "Observations on Serum Cholesterol Levels in the Twin Population of Evans County, Georgia." Circulation, 25, (June, 1962). pp. 962-969.
- Dr. Cecil Slome "Community Health in Rural Pholela," A Practice of Social Medicine, edited by S. L. Kark, and S. W. Stuart, E. and J. Livingstone, Ltd. 1962, Edinburgh and London.
- Dr. Cecil Slome "Work and Health. Some Epidemiological Considerations." Public Health (Israel). (In Hebrew). May, 1962.
- Dr. Earl Williams "The Relationship of Dental Caries to Oral Calculus," Public Health Dentistry, 22, (Fall-Winter, 1962), 116-127.

IX. SCIENTIFIC PAPERS PRESENTED

- Dr. John Cassel "The Need for Operational Definition in Epidemiologic Studies of Mental Illness." Technical Assistance Project, Jacksonville, Florida.
- Dr. John Cassel "Potentialities and Limitations of Epidemiology." Prevention of Alcoholism, Pittsburgh, Pennsylvania.
- Dr. John Cassel "Social Science Theory as a Source of Hypotheses in Epidemiological Research." The Relation of Social Factors to Etiology of Disease, Skytop Lodge.
- Dr. John Cassel "Social and Cultural Considerations in Health Innovations." National Conference on Research Methodology and Potential in Community Health and Preventive Medicine. New York.
- Dr. John Cassel "Scientific Practices of Public Health," North Carolina State Board of Health Biennial Workshop, Raleigh.

- Dr. Herman Tyroler "Health Consequences on Culture Change,"
Epidemiological Section, American Heart
Association, Chicago, Illinois.
- Dr. John McDonough "Epidemiology of Cardiovascular Heart
Disease in Evans County, Georgia at
the Annual Meeting of Public Health
Service, Heart Disease Control Program,
Medical Officers, Cleveland, Ohio.

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

- A. Appointments: Cecil Slome, M.D., Associate Professor
of Epidemiology, December 1, 1962.
- John R. McDonough, M.D., Assistant Pro-
fessor of Epidemiology, September 1,
1962.
- B. Promotions: None
- C. Resignations: Norman Miller, Ph. D., Associate Pro-
fessor of Epidemiology, August, 1962.
- D. Leaves of . C. David Jenkins, Ph.D., July 1, 1962-
Absence October 1, 1962.