

ANNUAL REPORT

DEPARTMENT OF EPIDEMIOLOGY

July 1, 1960 - June 30, 1961

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

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

Hubert Campbell, B.A., B.Med., B.Sur., Visiting Professor
of Epidemiology

B. OTHER FULL-TIME PERSONNEL

Nancy Y. Noel, Secretary

Betty L. Warren, Secretary

C. OTHER PART-TIME PERSONNEL

Dr. Jacob Kooman, Visiting Associate Professor

Dr. Burns Jones, Visiting Assistant Professor

Dr. John Hughes, Visiting Instructor

Mr. James Ziglar, Dental Research Fellow

Mr. Bert Warren, Dental Research Fellow

II. BUDGETS AND GRANTS

<u>SOURCE</u>	<u>PERSONNEL</u>	<u>FELLOW- SHIPS</u>	<u>NON- SALARY</u>	<u>RESEARCH AND/OR TEACHING</u>	<u>OVER- HEAD</u>	<u>TOTAL</u>
USPHS NIH	15,500		19,030	Research	5,197	39,709
USPHS NIH	25,087	15,180	2,733	Teaching	3,445	46,445
USPHS NIH	14,088		1,190	Teaching	1,222	16,500
USPHS NIH	12,292		1,600	Teaching	1,111	15,003
HEW	1,750		1,027	Teaching	242	3,019
USPHS NIH		1,200		Research	96	1,296
TOTAL	68,717	16,380	25,580		11,295	121,972

III. PHYSICAL FACILITIES

The Department of Epidemiology is located in the North Wing of Miller Hall. There are six small offices for professors, 1 room used for a conference room, and an outer corridor used by the secretaries. The majority of courses taught by our faculty are being taught in Miller Hall. There is a great need for additional rooms to be used for classes.

IV. INSTRUCTIONAL ACTIVITIES

During the current year there have been five students majoring in the field of Epidemiology. One of these students has completed the requirements for the Degree of Master of Public Health, one will spend an additional year working for the Master of Public Health,

two are working for the Doctor of Public Health, and one is a non degree student receiving advanced training in epidemiology.

A. Departmental Instructional Program in the School of Public Health

The faculty of this Department have participated in the instructional program of the School as follows:

<u>COURSE</u>	<u>NUMBER OF STUDENTS</u>
P.H. 104 - PRINCIPLES OF EPIDEMIOLOGY	126
P.H. 207 - EPIDEMIOLOGICAL FOUNDATIONS FOR DISEASE CONTROL PROGRAMS	12
P.H. 208 - DENTAL EPIDEMIOLOGY	6
P.H. 209 - EPIDEMIOLOGY IN PUBLIC HEALTH FAMILY PRACTICE	15
P.H. 210 - COMPARATIVE EPIDEMIOLOGY	7
P.H. 200 - CULTURE AND HEALTH	8
P.H. 212 - HISTORY OF EPIDEMIOLOGY	4
P.H. 203 - STATISTICAL METHODS IN EPIDEMIOLOGY	10
P.H. 301 - RESEARCH IN EPIDEMIOLOGY	5

B. Course Teaching Outside the Department

The Department of Epidemiology is teaching a full course of Dental Epidemiology to Dental Students, is participating in the teaching of Human Ecology to Medical Students, and taught a course in Public Health Nutrition (P.H. 140). In addition, the Department participated in teaching some of the Anthropology courses in the Department of Anthropology, in a Workshop in Public Health Nursing Supervision conducted by the Department of Public Health Nursing, and in the Radiological Health Seminar conducted by the Department of Sanitary Engineering.

V. SCHOOL ACTIVITIES IN THE GREATER UNIVERSITY

Member of Administrative Board, School of Social Work	Dr. Cassel
Member of the Executive Faculty, School of Public Health	Dr. Cassel
Member of Advisory Committee, School of Public Health	Dr. Cassel
Member of Faculty Council	Dr. Cassel
Visiting Lecturer to the School of Medicine	Dr. Cassel
Chairman, Foreign Student Committee, School of Public Health	Dr. Patrick
Visiting lecturer to the Anthropology Department	Dr. Patrick
Visiting lecturer to the School of Dentistry	Dr. Fulton
Visiting Staff Psychologist, Department of Psychiatry, School of Medicine	Dr. Jenkins
Member of the Public Relations Committee	Dr. Fulton
Chairman, Provisional Committee on Behavioral Sciences	Dr. Patrick

VI. SERVICES TO STATE AND NATION

N. C. Delegate to White House Conference on Aging	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
Member Committee on Aging and Chronic Disease, N.C. State Medical Society	Dr. Cassel
Member Governor's Coordinating Committee on Aging	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, 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 National Cancer Institute, U.S. Public Health Service	Dr. Cassel
Consultant, N.C. State Board of Health on Diabetes Project	Dr. Cassel
Consultant, Chronic Disease Project, Dade County, Florida	Dr. Cassel
Member, American Board of Dental Public Health. Participated in examination of candidates in Los Angeles, California	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
Faculty member - Workshop on Local Dental Programs, University of Michigan School of Public Health	Dr. Fulton
Group Leader - Colloquium on Teaching Dental Public Health to Dental Students, Department of Health, Education, and Welfare	Dr. Fulton
Special Consultant to the National Institute of Dental Research	Dr. Fulton
Advisor, Charlottesville, Virginia, to state dentists on research design.	Dr. Fulton
Consultant to Mental Health Section, N.C. State Board of Health	Dr. Patrick
Consultant to Juvenile Planning Council, Asheville, N.C.	Dr. Patrick
Member, Conference of Behavioral Scientists in Health Professions, sponsored by Southern Regional Education Board, Miami, March, 1961	Dr. Patrick
Lecturer and Discussant in In-Service Training Program, Nutrition Section, N.C. State Board of Health	Dr. Jenkins

Consultants to Florida State Board of Health on Evaluation of Dade County, Florida, oral polio vaccine project.

Drs. Patrick & Jenkins

Research Director, Health Research Foundation

Dr. Tyroler

Consultant, Juvenile Planning Council of Asheville & Buncombe County.

Dr. Tyroler

VII. RESEARCH PROJECTS

1. Natural History of Dental Disease
2. Epidemiology of Polio Vaccine Behavior
3. Epidemiological Studies of Culture Change
4. The Epidemiology of Diabetes Seen in General Practice
5. The Epidemiology of Toxemia of Pregnancy
6. The Use of General Practitioner records for Epidemiological Studies
7. Urbanization and Coronary Heart Disease
8. Characteristics of People who break appointments in Dental Clinics.
9. Study of Causes of Tooth Mortality.

VIII. PUBLICATIONS

✓ Dr. John Cassel
Dr. Ralph Patrick
Dr. C. David Jenkins

"Epidemiological Analysis of the Health Implications of Culture Change: A Conceptual Model." Annals of the New York Academy of Science, December, 1960.

Dr. John T. Fulton

"Epidemiological Studies of Dental Health - 1959." Am. Dent. A.J., 60:595-9, May, 1960.

Dr. John Cassel
Dr. H. A. Tyroler

"Epidemiological Studies of Culture Change: I. Health Status and Recency of Industrialization". To be published in the Archives of Environmental Health.

Dr. C. David Jenkins

"The Relation of EEG Slowing to Selected Test Scores". Submitted to Journal of Consulting Psychology.

✓ Dr. H.A. Tyroler
(with Dr. Logan T. Robertson)

"Mass Screening for Acquired Heart Disease in Industry," Chapter 4 in The Heart in Industry, edited by Leon J. Warshaw., Paul B. Hoeber, Inc., 1960.

IX. SCIENTIFIC PAPERS PRESENTED

Dr. John Cassel
Dr. Ralph Patrick
Dr. C. David Jenkins

"Epidemiological Analysis of the Health Implications of Culture Change: A Conceptual Model." Presented in July to New York Academy of Sciences.

Dr. John Cassel

Lecture and Discussion. "The Impact of Industrialization on Health". Industrial Health Seminar, Asheville, N.C

Dr. John Cassel

"Community Mental Health Programs", "Comments on Florida Mental Health Worker Program". Mental Health Worker's Conference, Florida State Board of Health

Dr. John Cassel

"Stress and Social Environment". Seminar on Stress, Johns Hopkins.

Dr. John Cassel

"Treatment and Care of Chronic Illness". Greensboro, N.C. Ministerial Assoc.

Dr. John Cassel

"Some Aspects of the Epidemiology of Mental Disorder". Presented to administrative staff of the State Hospital System.

Dr. John Cassel

"The Impact of Research on Future Trends in Health and Medical Care", Presented to the Annual Meeting of the N.C. Health Council.

✓ Dr. John Fulton

"Epidemiology: Definition, Principles, and the Approach to the Study of Dental Diseases. (To be read and published by the University of Michigan School of Public Health - Workshop on Local Dental Programs, June, 1961)

- Dr. Ralph Patrick "Cultural Factors in Health Education". Paper read at N.C. Public Health Assoc. Annual Meeting, Durham, N.C., Sept. 1960.
- Dr. Ralph Patrick "Culture, Society, and Mental Health". Presented to Annual Workshop of Mental Health Section, N.C. State Board of Health, Chapel Hill, April, 1961.
- Dr. C. David Jenkins
(with Dr. Allan Downie) "The Relation of Electroencephalographic Slowing to the Impairment of Intellectual Function." Presented to the Convention of the American Psychological Assoc. September, 1960.
- Dr. Ralph Patrick "Behavioral Science Perspectives on Industrial Health," Lecture and Discussion. Industrial Health Seminar, Asheville, N.C.
- Dr. H. A. Tyroler "The Uses of Medical Records in Industry for Administration and Research, Lecture and Discussion. Industrial Health Seminar, Asheville, N.C.
- Dr. John T. Hughes "Proposed Areas of Dental Research" delivered to the Dental Section of the Southern Branch of the American Public Health Association, in Memphis, Tenn., April, 1960.
- Dr. John Fulton "Research in Dental Disease" presented to Group II, Fifth District, N.C. Dental Society in Tarrboro, N.C., September, 1960.

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

- A. Appointments: H.A. Tyroler, M.D., Associate Professor of Epidemiology, July, 1960.
Hubert Campbell, B.A., B.Med., B.Sur.,
Visiting Professor of Epidemiology, Aug. 1960.
- B. Promotions: C. David Jenkins, Ph.D. Assistant Professor, July, 1960.
- C. Resignations: None
- D. Leaves of Absence: None

XI. NEEDS

The urgent space needs of the Department have been commented on in previous reports. While these have become even more acute over this past year, their solution is at last in sight with the building of a new School of Public Health.

The most pressing need at present is for increased support of the Department from University funds. At the present the only University support provided is the salary of Dean McGavran and part of the salary of the Chairman of the Department. The grant support for the Department has been made available to a large extent for the development of advanced training programs in epidemiology. In view of the amount of time devoted to teaching basic epidemiology in the School of Public Health additional University support would seem to be justified.

It is our opinion that the salary of at least one additional faculty member, one secretary, and travel for two faculty members and equipment and supplies should be provided from University funds.