

ANNUAL REPORT

DEPARTMENT OF EPIDEMIOLOGY

July 1, 1961 - June 30, 1962

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., Assoc. Prof. of Epid. (Anthropology)

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

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

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

B. OTHER FULL-TIME PERSONNEL

Nancy Y. Noel, Secretary (Resigned March 31, 1962)

Gay Goss, Secretary

Betty L. Warren, Secretary

C. OTHER 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

Mrs. Theresa Turk, Research Assistant

II. BUDGETS AND GRANTS

<u>SOURCE</u>	<u>PERSONNEL</u>	<u>FELLOW- SHIPS</u>	<u>NON- SALARY</u>	<u>RESEARCH AND/OR TRAINING</u>	<u>OVER- HEAD</u>	<u>TOTAL</u>
USPHS NIH	15,500		10,000	Research	3,825	29,325
USPHS NIH	44,136	15,660		Teaching	4,784	64,580
USPHS NIH	14,088		1,190	Teaching	1,222	16,500
USPHS NIH	12,292		1,600	Teaching	1,111	15,003
Amer.Ht.	3,500			Research	350	3,850
Dean's & Rhodes Funds			2,280	Teaching		2,280
University	22,750			Teaching		22,750
TOTAL	112,266	15,660	15,070		11,292	154,228

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.

IV. INSTRUCTIONAL ACTIVITIES

During the current year there have been nine students majoring in the field of Epidemiology. Five of these students have completed the requirements for the Degree of Master of Public

Health. One has completed requirements for the degree of Doctor of Public Health . Three have completed course requirements for the degree of Doctor of Public Health and are working on their dissertations (this includes one student who finished course requirements in June 1960). One student will spend an additional year working towards his Doctor of Public Health.

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. 160 - PRINCIPLES OF EPIDEMIOLOGY	146
P.H. 260 - EPIDEMIOLOGICAL FOUNDATIONS FOR DISEASE CONTROL PROGRAMS	20
P.H. 261 - DENTAL EPIDEMIOLOGY	8
P.H. 262 - EPIDEMIOLOGY IN PUBLIC HEALTH FAMILY PRACTICE	17
P.H. 263 - COMPARATIVE EPIDEMIOLOGY	18
P.H. 264 - CULTURE AND HEALTH	13
P.H. 265 - HISTORY OF EPIDEMIOLOGY	8
P.H. 223 - STATISTICAL METHODS IN EPIDEMIOLOGY	15
P.H. 360 - RESEARCH IN EPIDEMIOLOGY	4
P.H. 140 - (New Course) DATA PROCESSING IN EPIDEMIOLOGY	10

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, and assumes responsibility for some of the teaching of medical students in the Psychiatric Clinic

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
Visiting Lecturer to the School of Medicine	Dr. Cassel
Visiting Lecturer to Anthropology Department	Dr. Patrick
Chairman, Provisional Committee on Behavioral Sciences	Dr. Patrick
Member, Advisory Board, YMCA-YWCA	Dr. Patrick
Faculty Advisor, Alpha Tau Omega Fraternity	Dr. Patrick
Instructor in Nutrition Institute	Dr. Patrick
Instructor, Short Course in Public Health Supervision	Dr. Patrick
Instructor, Short Course in Public Health for Physical Therapists.	Dr. Patrick
Visiting lecturer to the School of Dentistry	Dr. Fulton
Member of the Public Relations Committee	Dr. Fulton
Visiting Staff Psychologist, Department of Psychiatry, School of Medicine	Dr. Jenkins

VI. SERVICES TO STATE AND NATION

Member, Medical Research Study Section, Washington	Dr. Cassel
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N.C. Delegate to White House Conference on Aging	Dr. Cassel
Chairman, N.C. Health Committee, Governor's Commission 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
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, N.C. State Board of Health on Diabetes Project	Dr. Cassel
Member, 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
Visiting Lecturer to Johns-Hopkins University, School of Public Health and Hygiene	Dr. Fulton
Special Consultant to the National Institute of Dental Research	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 on Epidemiology of Mental Health and Mental Illness, Chattanooga, Tenn.	Dr. Patrick
Instructor in "Short Course for Dental Public Health Workers" sponsored by U.S.P.H.S.	Dr. Patrick Dr. Fulton
Consultants to Florida State Board of Health on Evaluation of Dade County, Florida, oral polio vaccine project.	Drs. Patrick & Jenkins
Consultants, Hillsboro County Study, Florida	Drs. Patrick & Jenkins
Member, Orange County Board of Election Commissioners	Dr. Jenkins
Consultant, Pan American Health Organization, Malaria Eradication Program	Dr. Jenkins
Research Director, Health Research Foundation	Dr. Tyroler
Consultant, Juvenile Planning Council of Asheville & Buncombe County	Dr. Tyroler
Panel Chairman, Eastern Sociological Association	Dr. Miller
Panel Chairman, Southern Sociological Association	Dr. Miller
Panel Member, American Association for Public Opinion Research Conference	Dr. Miller

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. Periodontal Diseases in Association with Unmet Dental Needs
9. Socio-cultural Changes and Its Implications for Health States
10. Blood Sugar Values in Dogs

VIII. PUBLICATIONS

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| <p>✓ Dr. John Cassel
Dr. H. A. Tyroler</p> | <p>"Epidemiological Studies of Culture Change: I. Health Status and Recency of Industrialization". <u>Archives of Environmental Health</u>, 1961 (July)</p> |
| <p>Dr. John Cassel</p> | <p>"Industrialization and Health: Some Contributions of Epidemiology". <u>Industrial Medicine and Surgery</u>, Feb. 1962.</p> |
| <p>Dr. John Cassel</p> | <p>Comments on "Health and Human Behavior: Areas of Common Interest to Social and Medical Sciences". by Steven Polgar. <u>Current Anth.</u> March 1962.</p> |
| <p>✓ Dr. Ralph Patrick
Dr. C. David Jenkins
with
(Dr. T.J. Northcutt
& A.L. Johnson)</p> | <p>"Epidemiology of Polio Vaccine Acceptance: A Social and Psychological Analysis." Monograph No. 3, Florida State Board of Health, 100 pp.</p> |
| <p>Dr. Ralph Patrick</p> | <p>"Culture, Society, and Industrial Health", <u>Industrial Medicine and Surgery</u>, 31: 82-87, Feb., 1962.</p> |
| <p>✓ Dr. John Fulton
Dr. Hyman Schonfeld</p> | <p>"Review of The Dental Epidemiology Literature Jan. 1960 - June 1961" <u>Organization Mondiale De La Sante WHO</u>, November 1961.</p> |

IX. SCIENTIFIC PAPERS PRESENTED

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| <p>Dr. John Cassel</p> | <p>"The Epidemiology of Mental Illness". Dorothea Dix Hospital Seminar</p> |
| <p>Dr. John Cassel</p> | <p>"Public Health Concepts in Mental Health. Presented at State Mental Health Program Directors Conference. Columbia, S. C.</p> |

Dr. John Cassel "The Potentialities and Limitations of Epidemiology". Presented at Public Health Seminar, Princeton, N.J.

Dr. John Cassel "Opportunity for Epidemiological Studies". Presented at Industrial Health Conference, Chicago.

Dr. John Cassel "Epidemiological Contributions to Mental Health Research". Presented at Southern Regional Educational Board. Chattanooga, Tenn.

Dr. John Cassel "Health Needs of North Carolina". North Carolina Conf. for Social Service

Dr. John Cassel "Epidemiological Contributions to Heart Disease Programs. Heart Disease Seminar (State Board of Health). Rocky Mount.

Dr. John Cassel
Dr. H.A. Tyroler "Culture Change and Health: A Study of the Impact of Urbanization". N.C. State Board of Health.

Dr. Ralph Patrick "Community Action for Social Redevelopment", Workshop of Juvenile Planning Council of Asheville and Buncombe County, Asheville, N.C.

Dr. Ralph Patrick "The Tuberculosis Patient in Our Society". Annual Meeting, N.C. Tuberculosis Association, Durham, N.C.

Dr. Ralph Patrick "The Tuberculosis Patient in Our Society". Southern Regional Conf. sponsored by U.S.P.H.S. and National Tuberculosis Assoc., Hot Springs, Ark.

Dr. Ralph Patrick "Social and Cultural Aspects of Mental Illness". Annual Meeting, N.C. Nurses Association, Asheville, N.C.

Dr. Ralph Patrick "The Tuberculosis Patient in our Society", Annual Meeting, National Tuberculosis Association, Miami, Fla.

Dr. Norman Miller "Specialty Image and the Structure of the Medical Profession" Annual Meeting of Amer. Sociological Assoc., St. Louis, Missouri.

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

- A. Appointments: Norman Miller, Ph.D., Associate Professor
of Epidemiology, September, 1961
- B. Promotions: None
- 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 additional funds to employ a full-time statistical clerk and data processor. The volume of research and teaching requiring data processing has created a serious bottleneck in the department and is hindering our efforts to improve the quality of our teaching programs.