

DEPARTMENT OF EPIDEMIOLOGY

ANNUAL REPORT

1975 - 1976

I. Department Organization and Administration

In April, 1976, Professor Michel A. Ibrahim was appointed Chairman of the Department of Epidemiology, succeeding Professor John C. Cassel, who had chaired the Department since 1959. Professor Ibrahim had been Acting Chairman since the resignation of Professor Cassel in April, 1975. A 15-member Search Committee carefully considered the qualifications of many possible candidates during the course of the year. The six most outstanding candidates visited the Department for two or three days each beginning in the Fall of 1975. These visits not only functioned in the choice of a new Chairman, but also brought the Department into contact with the thinking of outstanding epidemiologists from other parts of the country and the world.

During this year, the Department maintained its continuity under the administrative reorganization initiated during the last year of Dr. Cassel's Chairmanship. This reorganization involved the delegation of many responsibilities to committees which included staff and students as well as faculty members. This organization has functioned well in broadening the base of participation and decision making and in facilitating the teaching, research, and service of the department. A brief statement of the functions of the various committees follows.

The Graduate Studies and Curriculum Committee is responsible for determining the extent to which the philosophy of the department is implemented in its teaching program. This committee, whenever necessary, reviews and evaluates courses and makes recommendations to the faculty regarding additions or deletions. It prepares the agenda for the annual Departmental retreat, and advises the Department with respect to the implementation of the recommendations of the retreat.

The Admissions Committee functions as an advisory group to the Chairman on student applications for admission and for assignment to the various teaching programs of the Department.

The Field Training and Technical Assistance Committee oversees requests for technical assistance from State and Local Agencies

which come to the Department, and identifies appropriate faculty members and students for the various areas of consultation.

The Seminar Committee is responsible for organizing weekly departmental seminars and for inviting appropriate lecturers to speak on topics of interest to the faculty and students.

The Student Affairs Committee supervises and reviews all students prior to the formation of a doctoral committee for the student. This committee is responsible for scheduling masters examinations, and for serving as ombudsman of the department in an attempt to discuss and resolve whatever problems may arise.

The Space and Resource Committee is a service committee with responsibility for space allocation and needs, library and journal resources within the Department, and documentation of Departmental activities, including the collection of data on publications by faculty members, theses, dissertations, and State and National activities of the members of the Department.

The Personnel and Budget Committee is the only committee which does not include students, since it deals with confidential personnel and budgetary matters. This committee serves as a sounding board for the problems of staff members and makes recommendations to the Chairman with respect to these problems.

II. Instructional Programs

A. Courses and Curricula

1. Major Changes During the Year

The major teaching programs of the department continued during the current year: the programs in general epidemiology, environmental epidemiology, psychosocial epidemiology, clinical epidemiology, health services research, and the epidemiology of population dynamics. New courses offered during the year were:

EPID 251 - Epidemiologic Methods in Population - Omran.
EPID 268 - Advanced Methods in Epidemiology - Tyroler.
EPID 276 - Advanced Environmental Epidemiology - Shy.
EPID 270 - Applications of Psychological Theory and Research to Health - James.

2. New Programs Being Planned

A new program of teaching and research is being planned in cancer epidemiology in collaboration with the Cancer Center, the School of Medicine, U.N.C.; and the Division of Community Health Services, School of Medicine, Duke University. An initial informal series of seminars on cancer epidemiology is being offered in the late spring and early summer of 1976.

3. Honors Programs and Other Special Courses or Programs

None

4. Participation in Inter-Departmental Programs

While the Department continues to participate in the off-campus MPH programs, no courses in epidemiology were required for these programs during the current year.

B. Enrollment

During the current year, there have been 44 registered students in the field of Epidemiology. One student received the Ph.D. in December 1975. In addition, one student will receive the MSPH and one the MPH in May, 1976. In August, 1976 four students expect to receive the MPH, two the MSPH and one the Ph.D.

1. (a) Number of Majors in Department.....44
 - M.P.H.....8
 - M.S.P.H.....7
 - Ph.D.....29
- (b) Minority Classification
 - Caucasian/American.....39
 - Black/Afro-American.....2
 - Foreign.....3
- (c) Male/Female
 - Male (3 M.P.H.; 4 M.S.P.H.; 12 Ph.D.)..19
 - Female (5 M.P.H.; 3 M.S.P.H.; 17 Ph.D.)25
- (d) North Carolina Residents.....23
- (e) Out-of-State Residents
(but within the U.S.).....18
- (f) Foreign.....3

2. Number of degrees awarded

	<u>M.P.H.</u>	<u>M.S.P.H.</u>	<u>Ph.D.</u>
August 1975	7	1	3
December 1975			1
May 1976	1	1	

3. Comments on the Quality of Students, Their Career Plans and Special Achievements

The general trend of increasingly qualified and challenging students in epidemiology, noted in previous years, continues during the current year. One documentation of this trend is the current academic degree status of the students enrolled in epidemiology. Of the 44 enrolled students, seven already hold degrees at the Doctor's level, 25 hold Master's degrees, and with only 12 at the Bachelor's level.

C. Teaching load of faculty

1. Fall Semester

<u>COURSE NO.</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>INSTRUCTOR</u>
EPID 140	Problems in Epidemiology	Varies	Omran Ibrahim Shy Wagner
EPID 160	Principles of Epidemiology	3.0	Cassel Patrick James Williams Slome Ibrahim Becker Hulka Wagner
EPID 161	Epidemiology of Population Dynamics and Family Planning	3.0	Omran
EPID 211	Determinants of Communicable Disease	3.0	Becker
EPID 231	Epidemiologic Research in Personal Health Services	3.0	Hulka
EPID 240	Alcohol Behavior and Health	3.0	Cornoni
EPID 251	Epidemiologic Methods in Population Research	3.0	Omran
EPID 268	Advanced Methods in Epidemiology	3.0	Tyroler
EPID 315	Field Training in Epidemiology	Varies	Hulka
EPID 360	Research in Epidemiology	Varies	Tyroler
EPID 393	Masters Thesis	Varies	Tyroler Wagner Hulka Patrick Omran McMichael Shy

1. Fall Semester (continued)

<u>COURSE NO.</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>INSTRUCTOR</u>
EPID 394	Doctoral Dissertation	Varies	Tyroler Cassel Wagner Hulka Patrick Omran McMichael Shy Ibrahim

<u>COURSE NO.</u>	<u>TOTAL STUDENTS</u>	<u>SPH STUDENTS</u>	<u>GRAD</u>	<u>EVN COL</u>	<u>OTHER</u>
EPID 140	37	35		1	NCS (1)
EPID 160	157	129	19	2	Duke (2) MD (1) LW (1) AS (2) NCS (1)
EPID 161	50	48	2		
EPID 211	15	12			PY (3)
EPID 231	12	11	1		
EPID 240	5	4			SW (1)
EPID 251	12	12			
EPID 268	20	19		1	
EPID 315	1	1			
EPID 360	4	4			
EPID 393	7	7			
EPID 394	17	17			

2. Spring Semester

<u>COURSE NO.</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>INSTRUCTOR</u>
EPID 141	Problems in Epidemiology	Varies	Ibrahim Slome Tyroler Andjelkovic McMichael
EPID 162	Epidemiology in Environmental Health	3.0	McMichael
EPID 230	Applied Methods in Epidemiology and Health Services Research	2.0	Cornoni
EPID 260	Epidemiological Foundations and Disease Control Programs	3.0	Slome
EPID 262	Epidemiology of Program Acceptance	2.0	Patrick
EPID 266	Epidemiological Investigation	3.0	Tyroler
EPID 270	Application of Psychological Theory and Research	3.0	James
EPID 276	Advanced Environmental Epidemiology	3.0	Shy
EPID 361	Research in Epidemiology	Varies	Cassel Omran Patrick Wagner Tyroler Shy
EPID 368	Evaluative Research Methods	2.0	Ibrahim
EPID 393	Masters Thesis	Varies	Cassel Hulka Shy McMichael
EPID 394	Doctoral Dissertation	Varies	Cassel Williams Tyroler Wagner Patrick Ibrahim Omran Hulka James Shy

2. Spring Semester (continued)

<u>COURSE NO.</u>	<u>TOTAL NO. STUDENTS</u>	<u>SPH STUDENTS</u>	<u>GRAD</u>	<u>EVN. COL.</u>	<u>OTHER</u>
EPID 141	13	12			AS - 1
EPID 162	8		3	4	AS - 1
EPID 230	6	6			
EPID 260	1	1			
EPID 262	8	7	1		
EPID 266	22	22			
EPID 270	14	13	1		
EPID 276	6	6			
EPID 361	6	6			
EPID 368	25	22	2	1	
EPID 393	5	5			
EPID 394	21	21			

III. Research Programs

A. Notable Publications of Faculty

Dragana Andjelkovic

Andjelkovic, D., Taulbee, J. and Symons, M. Mortality Experience of a Cohort of Rubber Workers, 1964-1973, JOM (in press)

Caroline Becker

Deubner, D.C., Tyroler, H.A., Cassel, J.C., Hames, C.G. and Becker, C. Attributable Risk, Population Attributable Risk, and Population Attributable Fraction of Death Associated with Hypertension in a Biracial Population. Circulation 52:901-908, November 1975.

John Cassel

Cassel J. Hypertension and Cardiovascular Disease in Migrants: A Comment. International Journal of Epidemiology 3:204, 1974.

Cassel, J. Studies of Hypertension in Migrants, in Paul, O., Epidemiology and Control of Hypertension. New York: Stratton Intercontinental Medical Book Corporation, 1975, pp. 41-61.

Cassel, J. The Contribution of the Social Environment to Host Resistance. The 1975 Wade Hampton Frost Lecture. The American Journal of Epidemiology (in press)

Joan C. Cornoni

Johnson, A.L., Cornoni, J.C., Cassel, J., Tyroler, H.A., Heyden, S. and Hames, C. Influence of Race, Sex and Weight on Blood Pressure Behavior in Young Adults. American Journal of Cardiology 35:523-530, 1975.

Barbara Hulka

Hulka, B.S., Kupper, L.L., Cassel, J.C., Efird, R.L. and Burdette, J.C. Medication Use and Misuse: Physician-Patient Discrepancies. Journal of Chronic Diseases 28:7, 1975.

Hulka, B.S. Evaluation of Primary Medical Care in a Total Community: The Indicator Case Model, in Yaffe, R. and Zalkind, D. (Eds.), Evaluation in Health Services Delivery. Proceedings of an Engineering Foundation Conference in South Berwick, Maine. p. 147, 1975.

Daly, M. and Hulka., B.S. The Role of Communication as an Interactive Process Within the Doctor-Patient Relationship. Journal of Communication 25:148, 1975.

Publications (continued)

Hulka, B.S., Kupper, L.L., Daly, M., Cassel, J.C. and Schoen, F. Correlates of Satisfaction and Dissatisfaction with Medical Care: A Community Perspective. Medical Care 13:648, 1975.

Hulka, B.S., Kupper, L.L., Cassel, J.C. and Mayo, F. Doctor-Patient Communication and Outcomes Among Diabetic Patients. Journal of Community Health 1:15, 1975.

Phillips, J., Keith, D., Keith, L., Hulka, J. and Hulka, B. Survey of Gynecologic Laparoscopy for 1974. Journal of Reproductive Medicine 15:45, 1975.

Hulka, B.S., Kupper, L.L., Cassel, J.C. and Babineau, R.A. Practice Characteristics and Quality of Primary Medical Care: The Doctor-Patient Relationship. Medical Care XIII:808, 1975.

Phillips, J.M., Hulka, J.F., Hulka, B.S., Keith, L. and Keith, D. Survey of Gynecologic Laparoscopy for 1975. Journal of Reproductive Medicine (in press).

Hulka, B.S. Consumer Health Status and Need. Introduction to the Planning and Evaluation Manual Volume IV. Prepared by the Orkand Corporation for the National Center for Health Services Research. August 1975, p. 1.

Hulka, B.S. An Approach to the Evaluation of Primary Medical Care, in Renner, J. and Carmichael, L. (Eds.), Research in Family Medicine. Proceedings of a conference sponsored by the Society of Teachers of Family Medicine in Miami, Florida, January 1975. p. 37, 1975.

Hulka, B.S. Book Review: Mason, T.J., McKay, F.W., Hoover, R., Blot, W.J. and Fraumeni, J., Jr. Atlas of Cancer Mortality for U.S. Counties: 1950-1969. Annals of Internal Medicine 83:914, 1975.

Michel A. Ibrahim

Wagner, E.H., Greenberg, R.A., Imrey, P.B., Williams, C.A. Wolf, S.H. and Ibrahim, M.A. The Influence of Training and Experience on Selecting Criteria to Evaluate Medical Care. New England Journal of Medicine, April 15, 1976.

Ibrahim, M.A. The Impact of Intervention Upon Psycho-social Functions of Postmyocardial Infarction Patients. Proceedings of the National Conference on Emotional Stress and Heart Disease, Myrtle Beach, South Carolina. Supplement to J. of S. Car. Med. Assoc. 72:23-26, February, 1976.

Ibrahim, M.A. The Cigarette Smoking/Lung Cancer Hypothesis. Editorial. AJPH 66, No. 2:132-133, February, 1976.

Publications (continued)

Upson, D., Greenberg, R.A., Gillings, D.B., Nolan, T. and Ibrahim, M.A. Management of Streptococcal Pharyngitis by North Carolina Physicians. N.C. Med. Journal (in press).

Ibrahim, M.A. Epidemiology: Application to Health Services, in Resource Book, Health and Behavioral Sciences, Association of University Programs in Health Administration, Washington, D.C. (in press)

Sherman A. James

James, S.A. and Kleinbaum, D.G. Socioecologic Stress and Hypertension Related Mortality in North Carolina. AJPH (in press).

Anthony J. McMichael

McMichael, A.J. Man Under Stress; book review. AJPH 65, No.7: 751, 1975.

Kupper, L.L., McMichael, A.J. and Spirtas, R. A Hybrid Epidemiologic Study Design Useful in Estimating Relative Risk. Journal of the American Statistical Association 70, No.351: 524-528, 1975.

McMichael, A.J., Spirtas, R., Kupper, L.L. and Gamble, J.F. The Relationship of Solvent Exposure to Leukemia Among Rubber Workers: An Epidemiologic Study. Journal of Occupational Medicine 14, No.4:234-239, April 1975.

McMichael, A.J. Standardized Mortality Ratios and the Healthy Worker Effect: Scratching Beneath the Surface. Journal of Occupational Medicine 18, No.3:165-168, 1976.

McMichael, A.J. Cancer Mortality Among Rubber Workers: An Epidemiologic Study. Annals of the New York Academy of Sciences (in press).

Spirtas, R., McMichael, A.J., Gamble, J.F. and Van Ert, M.D. The Association of Vinyl Chloride Exposures with Morbidity Symptoms. J. Amer. Ind. Hyg. Assoc. 36, No.10:779-789, 1975.

McMichael, A.J., Spirtas, R., Gamble, J.F., and Tousey, P.M. Mortality Among Rubber Workers: Relationship to Specific Jobs. Journal of Occupational Medicine 18, No.3:178-185, 1976.

Infanta, P.F., Wagoner, J.K., McMichael, A.J., Waxweiler, R.J. and Falk, H. Genetic Risks of Vinyl Chloride Exposure. Lancet (in press).

Publications (continued)

Abdel Omran

Omran, A.R. Health Rationale for Family Planning, in Population Change: A Strategy for Physicians. Proceedings of the International Conference on the Physicians and Population Change, Sept. 4-6, 1974, Stockholm, Sweden. Washington, D.C.: Pathfinder Fund, 1975.

Omran, A.R., editor. Liberalization of Abortion Laws: Implications. Chapel Hill: Carolina Population Center, University of North Carolina, 1976.

Omran, A.R. Abortion Legalization: Implications for the Natality Transition in Various Social Settings, in Omran, A.R. (ed.) Liberalization of Abortion Laws: Implications. Chapel Hill: Carolina Population Center, University of North Carolina, 1976.

Carl M. Shy

Shy, C.M. Lung Cancer and the Urban Environment: A Review. Chapter 1 in Clinical Implications of Air Pollution Research. Publishing Sciences Group, Inc., Acton, Mass., 1976.

Knelson, J.H., French, J.G. and Shy, C.M. Health Effects Basis for the U.S. Air Quality Standard for Nitrogen Dioxide, in Proceedings of the Colloquium on Nitrogen Oxides, VDI-Kommission Reinhaltung der Luft, Dusseldorf, Germany, 1975.

Cecil Slome

Slome, C., Wetherbee, H., Daly, M., Christensen, K., Medglen, M. and Thiede, H. Effectiveness of Certified Nurse-Midwives: A Prospective Evaluation Study. Am. J. of Ob-Gyn 124, No.2:177-182, 1976.

H.A. Tyroler

Tyroler, H.A., Heyden, S. and Hames, C. Weight and Hypertension: Evans County Studies of Blacks and Whites, in Paul, O., Epidemiology and Control of Hypertension. New York: Stratton Intercontinental Medical Book Association, 1975, pp. 177-204.

Tyroler, H.A., Hames, C., Krishan, I., Heyden, S., Cooper, G. and Cassel, J. Black-White Differences in Serum Lipids and Lipoproteins in Evans County. Preventive Medicine 4:541-549, 1975.

Deubner, D.C., Tyroler, H.A., Cassel, J.C., Hames, C.G. and Becker, C. Attributable Risk, Population Attributable Risk and Population Attributable Fraction of Death Associated with Hypertension in a Biracial Population. Circulation 52:901-908, 1975.

Publications (continued)

Beaglehole, R., Heiss, G., Tyroler, H. A., Cassel, J. and Hames, C. Prevalence and Incidence Data in the Assessment of the Risk of Coronary Heart Disease. American Journal of Epidemiology 102:55-62, 1975.

Johnson, A. L., Cornoni, J. C., Cassel J., Tyroler, H. A., Heyden, S. and Hames, C. Influence of Race, Sex and Weight on Blood Pressure Behavior in Young Adults. American Journal of Cardiology 35:523-530, 1975.

Heyman, A., Tyroler, H. A., Cassel, J. C., O'Fallon, W. M., Davis, L. and Muhlbaier, L. Geographic Differences in Mortality from Stroke in North Carolina. 1. Analysis of Death Certificates. Stroke 7:41-45, 1976.

Edward H. Wagner

Wagner, E. H., Greenberg, R. A., Imrey, P. B., Williams, C. A., Wolf, S. H. and Ibrahim, M. A. The Influence of Training and Experience on Selecting Criteria to Evaluate Medical Care. New England Journal of Medicine, April 15, 1976.

Wagner, E. H. Epidemiology in Primary Care. Section II, Chapter 9 in Noble, J. (Ed.) Primary Care in the Practice of Medicine. (To be published in 1976. Boston: Little Brown).

Carolyn A. Williams

Wagner, E. H., Greenberg, R. A., Imrey, P. B., Williams, C. A., Wolf, S. H. and Ibrahim, M. A. The Influence of Training and Experience on Selecting Criteria to Evaluate Medical Care. New England Journal of Medicine, April 15, 1976.

Williams, F. C. and Williams, C. A. Ethical Issues in Health Care Policy. Chapter in Social Perspectives in Nursing--Issues--Trends, in Miller, M. H. and Flynn, B. C. (Eds.). C. V. Mosby Company. (in press).

Semradek, J. A. and Williams, C. A. Resolving Dilemmas in Practice Research: Decisions for Practice. Proceedings of a symposium held at the School of Nursing, University of North Carolina. Monograph published by the School of Nursing, Spring 1976.

III. Research Programs (continued)

B. Papers Presented at Meetings

Dragana Andjelkovic

Andjelkovic, D., McMichael, A.J., and Tyroler, H.A.: "A Comprehensive Occupational Epidemiologic Research Program." Presented to the Society for Epidemiologic Research, Albany, New York, June 19, 1975.

Andjelkovic, D., Taulbee, J., and Symons, M.: "Mortality of Active and Retired Rubber Workers in Relation to Work Exposure." Presented to Occupational Epidemiology Session at the 103rd Annual Meeting of the APHA, Chicago, Illinois, November 20, 1975.

Caroline Becker

"Hypertension Control Programs in North Carolina," The Johns Hopkins Medical and Surgical Association, Baltimore, Md., February 1975.

"Evaluation of Four NCRMP Hypertension Control Programs," Second National Conference on High Blood Pressure Control, New Orleans, Louisiana, March, 1976.

"Hypertension Compliance Study: Edgecombe County; Betsy Kagey, Hugh Young, Lawrence Cutchin, Caroline Becker, Miriam Smith; Second National Conference on High Blood Pressure Control, New Orleans, Louisiana, March, 1976.

John Cassel

"The Contribution of the Social Environment to Host Resistance." The Wade Hampton Frost Lecture. Presented at the 103rd Annual meeting of the APHA in Chicago on November 18, 1975.

"Psychosocial Determinants of Disease" George Kirby Collier Memorial Lecture. February 11, 1976. University of Rochester Medical Center, Rochester, New York.

Barbara Hulka

"Disparities between Medicine Prescribed and Consumed" at Tulane Medical Symposium New Orleans, Louisiana, November 2-5, 1975.

"Survey of Gynecologic Laparoscopy for 1974" at the American Association of Gynecologic Laparoscopists, Las Vegas, Nevada, November 19-23, 1975.

Michel A. Ibrahim

Ibrahim, M.A. The Impact of Intervention Upon Psycho-social Functions of Postmyocardial Infarction Patients. National Conference on Emotional Stress and Heart Disease, Myrtle Beach, South Carolina, October 1, 1975.

Greenberg, R. A., Wagner, E. H., Wolf, S. H., Cohen, S. B., Kleinbaum, D., Williams, C. A., and Ibrahim, M. A. The Effect of Physician Training and Experience on Selecting Criteria to Evaluate Medical Care: Antibiotics and Respiratory Infections. To be presented at the Ambulatory Pediatric Association Meeting in St. Louis on April 27, 1976.

Wagner E. H., Greenberg, R. A., Imrey, P. B., Williams, C. A., Wolf, S. H., and Ibrahim, M. A. Influence of physician characteristics on choice of criteria for medical care appraisal. Paper presented at the Sydenham Society in Atlantic City, May 4, 1975.

Anthony McMichael

Spirtas, R., McMichael, A. J., Gamble, J. F., Van Ert, M. D. "The Association of Vinyl Chloride Exposures With Morbidity Symptoms." Paper presented to the American Industrial Hygiene Conference, Minneapolis, Minnesota, June, 1975.

McMichael, A. J., Holbrook, R. H., Monson, R. R., Guira, A. C., Tyroler, H. A., and Jones, F. S. "An Epidemiologic Study of the Frequency and Distribution of Bladder Cancer among Rubber Workers." Paper presented at the Society for Epidemiologic Research, Albany, New York, June, 1975.

Spirtas, R., and McMichael, A. J. "Relative Risk Estimation in Occupational Health Studies." Paper presented at APHA Convention, Chicago, Illinois, November, 1975.

Lednar, Wayne. "A Study of the Association of Work History, Smoking and Pulmonary Disability Retirement in Rubber Workers." Paper presented at APHA Convention, Chicago, Illinois, November, 1975.

House, J. S., McMichael, A. J., Kaplan, B. H., Spirtas, R., Wells, J. A. "Effects of Occupational Stress on the Mental and Physical Health of Rubber Workers." Paper presented to APHA Convention, Chicago, Illinois, November, 1975.

Tyroler, H. A., Andjelkovic, D. A., Harris, R. L., Lednar, W. M., McMichael, A. J., Symons, M. J. "Chronic Diseases in the Rubber Industry." Paper presented to WHO-NIEHS Symposium on Potential Health Hazards from Technological Developments in the Rubber and Plastics Industries, N. C., March, 1976.

McMichael, A. J., Gerber, W. S., Gamble, J. F., Lednar, W. M.
"Relationship of Chronic Respiratory Symptoms to Job Type within
the Rubber Industry." Papers presented to American Occupational
Medical Association Conference, Cincinnati, Ohio, April, 1976.

Gamble, J. F., McMichael, A. J., and Waxweiler, R. "Respiratory
Function and Symptoms in Vinyl Chloride Workers" Papers presented
to American Occupational Medical Association Conference, Cincinnati,
Ohio, April, 1976.

Abdel Omran

Maternal and Child Health in Islam: An Examination of the Quran
and the Prophet's Tradition. Paper presented at the Al-Azhar
International Symposium on the Status of Women in Islam, Dec.
20-23, 1975, Al-Azhar University, Cairo, Egypt.

The Population Problem in Egypt. Paper presented at the Arab
Scholars Conference on Population, Health and Development, January
3-8, 1976, Alexandria, Egypt.

The Epidemiologic Transition: Evolutionary or Programmed?
Implications for Policy. Paper presented at the Panel on Population
and Society, 17th Annual Convention, International Studies
Association, February 25-29, 1976, Toronto, Canada.

Carl Shy

Health Effects of Air Pollutants. Seminar for public health
workers in Mexico City, June 12-18, 1975.

Clinical and Epidemiological Studies of the Health Effects of
Nitrogen Oxides. Presented at the International Lecture Meeting
on Environmental Quality Standards, Tokyo, November 6, 1975.

Proposed Significant Harm Level for Suspended Sulfates in California.
Presented at a public hearing held by the California Air Resources
Board, Los Angeles City Hall, February 21, 1976.

Health Effects of Coal Mining and Conversion in the Northern
Great Plains. Presented at the annual meeting of the American
Association for the Advancement of Science, Boston, Mass., February
24, 1976.

Health Basis for Air Quality Standards. Presented at the Conference
on Air Quality Standards, Sao Paulo, Brazil. Presentation made
at the request of the Pan American Health Organization, Sao Paulo,
Brazil, March 15, 1976.

Health Hazards of Alternative Modes of Energy Production. Presented at meeting of N.C. Chapter of American Statistical Association, Research Triangle Park, N.C., September 17, 1975.

Cecil Slome

"Primary Prevention--an Epidemiological View." South Carolina Public Health Association, January 3, 1975.

"Chronic Respiratory Disease--Program Implications of Epidemiological Findings." N.C. TB Institute, July, 1975.

"Lung Cancer and Smoking--A Grim Portent of the Future." Cape Fear Lung Association, February 12, 1976.

"Infant Mortality in Cleveland County: A Recent Secular Increase." Co-author. Presented at Annual Meeting of American Public Health Association, Chicago, Illinois, November, 1975.

"Rising Infant Mortality in a Rural North Carolina County: An Unexpected Association with Black Mothers' Education." Co-author. Presented at Annual APHA Meeting, November, 1975.

"Should James Go To School: Working Mothers' Responses to Symptoms." Co-author. Presented at Annual Meeting of APHA, Chicago, Illinois, November, 1975.

Herman A. Tyroler

Tyroler, H. A., Hames, C. G., Krishan, I., Heyden, S., Cooper, G., Cassel, J. "Black-White Differences in Serum Lipids and Lipoproteins in Evans County." Paper presented at American Heart Association Conference on CVD Epidemiology, March 1975, Tampa.

McMichael, A. J., Andjelkovic, D., Tyroler, H. A. "Cancer Mortality among Rubber Workers: An Epidemiologic Study." Paper presented at The New York Academy of Sciences Conference on Occupational Carcinogenesis, March 24-27, New York.

Tyroler, H. A., Heiss, G., Hames, C. "Effect of Social Class on Family Aggregation of Serum Cholesterol in Evans County." Paper presented at Society for Epidemiologic Research, June 19-21, Albany.

Andjelkovic, D., McMichael, A. J., Tyroler, H. A. "A Comprehensive Occupational Epidemiologic Research Program." Paper presented at Society for Epidemiologic Research, June 19-21, Albany.

Heiss, G., Tyroler, H. A. "Cholesterol Tracking: Prediction over Time of Serum Cholesterol in Evans County, Georgia." Paper presented at Conference on Atherosclerosis, London, Ontario, September 1, 1975.

LRC Prevalence Committee. Tyroler, H. A. and Joanne Hoover. "The LRC Program." Presented at American Public Health Association, November, Chicago, 1975.

Lednar, W., Tyroler, H. A., McMichael, A. J., Shy, C. M. "A Study of the Occupational Determinants of Chronic Disabling Pulmonary Disease in Rubber Workers." Paper presented at American Public Health Association, November, Chicago, 1975.

Tyroler, H. A., Andjelkovic, D., Harris, R., Lednar, W., McMichael, A., Symons, M. "Chronic Diseases in the Rubber Industry." Paper presented at WHO-NIEHS Symposium on Potential Health Hazards from Technological Developments in the Rubber and Plastics Industries, March 1-3, 1976, Research Triangle Park.

American Heart Association Conference on CVD Epidemiology, February 26-28, 1975, New Orleans, Louisiana.

Heiss, G., Tyroler, H. A., Sobel, E., Maready, J., Hames, C. "Prediction of Elevated Blood Pressure in a Biracial Population."

Heyden, S., Heiss, G., Tyroler, H. A., Hames, C. G. "Sex Differences in Coronary Mortality among Diabetics in Evans County."

Aavedal, M., Greene, S., Slome, C., Tyroler, H. A., Davis, C. E., Hames, C. G. "The Effects of Smoking on Blood Pressure."

Heiss, G., McGuffin, W. L., Gunnells, J. C., Tyroler, H. A. "Dopamine Beta Hydroxylase in a Biracial Population Sample."

Hames, C. G., Heyden, S., Heiss, G., Tyroler, H. A. "Fasting Triglycerides as Predictor of Total and CHD Mortality in Evans County, Georgia."

Heyman, A., Hames, C., Heyden, S., Tyroler, H. A., Wilkinson, W. E., Davis, M. E. "Racial Differences in Prevalence and Awareness of Hypertension and their Relation to Subsequent Mortality in Evans County, Georgia."

Hunt, V. B., Wagner, E. H., Tyroler, H. A., Grossman, W. "Validity of Signs and Symptoms in the Diagnosis of Congestive Heart Failure."

Edward H. Wagner

Wagner, E. H., Greenberg, R. A., Imrey, P. B., Williams, C. A., Wolf, S. H., Ibrahim, M. A. Quality of care. Paper presented at the Nurse Practitioner Research Conference II, Hartford, Connecticut, May 1, 1975.

Wagner, E. H., Greenberg, R. A., Imrey, P. B., Williams, C. A., Wolf, S. H., Ibrahim, M. A. Influence of physician characteristics on choice of criteria for medical care appraisal. Paper presented at the Sydenham Society in Atlantic City, May 4, 1975.

Wagner, E. H. Preventive medicine and primary care. Paper to be presented at a Conference on Health Maintenance in Primary Care, sponsored by the N.C. Area Health Education Center Program, Regional Medical Program, and N.C. Academy of Family Practice, April 10, 1976, Durham, N.C.

Carolyn A. Williams

"Utilization Reconsidered." Paper presented to the Nurse Practitioner Contractors Conference, Division of Nursing, DHEW, Washington, D.C., May 13, 1975.

"Education for Community Health Nursing: Conceptual Barriers." Paper presented to the Expert Committee on Community Health Nursing, Pan American Health Organization of the World Health Organization, Washington, D.C., August 4, 1975. This paper is being translated into Spanish for publication by the PAHO.

"Studying Health Maintenance Care: Conceptual and Methodological Issues." Paper presented to the faculty and students at the College of Nursing, University of Illinois, Chicago, Illinois, February 13, 1976.

III. Research Programs (continued)

C. Major Research Projects

Individual Faculty Research Interests

Dragana Andjelkovic

Occupational Health Studies

Goodyear Mortality Studies

Leukemia in Relation to Work Environment

Bladder Tumor in the Rubber Industries

Chronic Bronchitis Related to Work Areas

Caroline Becker

Evans County Hypertension Study

Evans County Cardiovascular Studies

Evaluation of Hypertension Control Programs in North Carolina

Tuberculosis in Swine

Effects of Steroid Contraceptives on Blood Pressure

Carol L. Carroll

Blood Pressure Differences in Adolescents

Analysis of Health Needs of the Elderly in Edgecome County

Determinants of Discharge Diagnosis of Hospitalized Stroke Patients

Drug-taking for Hypertension in a Rural Community and Side Effects
of Anti-hypertensive Medications

John C. Cassel

Organization, Utilization and Assessment of Primary Health Care

Effects of Rapid Culture Change on Health (Ponape Study)

Cardiovascular Epidemiology

Lawrence Clark

Environmental Pollution and Cancer

Joan C. Cornoni

Drug Taking for Hypertension in a Rural Community

Religion Related to Risk Factors of Coronary Heart Disease

Laureen S. Froimson

Evaluation of the Family Oriented Interaction of the Nurse Practitioner
(Family Nurse Practitioner Project)

Barbara S. Hulka

Organization, Utilization and Assessment of Primary Health Care

Epidemiology of and Screening for Cervical Cancer

Use of Exogenous Estrogens and Endometrial Cancers

Use of Self-formulated Criteria as a Measure of Quality in
Ambulatory Care

Research Interests (continued)

Michel A. Ibrahim

Screening Program for Hypertension
Family Nurse Practitioner Competence Evaluation Project
Epidemiology and Medical Care of Stroke Patients
Planning and Evaluation of Health Service Programs

Sherman A. James

Race and Social Influence in Problem-Solving Dyads
Ecological Stress and Hypertension Related Mortality in North Carolina
1960-1970: White-Nonwhite Contrasts
Coronary Heart Disease Mortality in North Carolina, 1960-1970:
White-Nonwhite Contrasts
Soul City: A Study of the Health Consequences of Rapid Social
and Industrial Change
Health Services Research and Utilization of Health Services by
Minority Group Populations
The Role of Personality and Social Factors in the Onset of
Cardiovascular Disease

Berton H. Kaplan

Psychosocial Factors in Mental Health and Disease
Religion Related to Risk Factors in Coronary Heart Disease
Social Support, Coping and Health
Relaxation Behavior and Health

Anthony J. McMichael

Occupational Health Studies
Mortality Around Retirement, in the Rubber Industry: Social
Security Administration
Bladder Cancer Study: National Bladder Cancer Project

Abdel R. Omran

PET project: Effects of Economic Development Programs and Family
Planning Programs on Fertility Decline
Arab-East Conference Project: Population Problems in the Arab
Countries in Relation to Socio-Economic Development
Impact of population pressure on the health of the
family and the welfare of the society.
Abortion Study Group: Carolina Population Center
Epidemiologic Transition in the United States and New York City
Taiwan Project: Relationships between Family Formation and Family
Health in Taichung
WHO Collaborative Study in Nine Countries (Turkey, Lebanon, Iran,
India, Philippines, Pakistan, Colombia, Egypt and Syria)

Research Interests (continued)

Ralph C. Patrick

Effects of Rapid Culture Change on Health (Ponape Study)

Carl M. Shy

Environmental Determinants of Cancer Risk

Epidemiological Studies of Air Pollution Exposure

Cecil Slome

Study of the Needs of Epileptics in North Carolina: Service and Social Problems

Drug Taking for Hypertension in a Rural Community

Study of Infant Mortality Rates in Cleveland County

Evaluation of Emergency Medical Service in Conjunction with the Office of the Chief Medical Examiner: Evaluation of Emergency Medical Service for Orange and Chatham Counties

Study of High Risk Drivers: In Conjunction with the National Driving Center Located at Duke University

H. A. Tyroler

Occupational Health Studies

Occupational Carcinogenesis Studies of the Relationship of the Work Environment to Leukemia and Cancer of the Stomach, Urinary Bladder and Lung

Relationship of the Work Environment to Morbidity as Self-Appraised by Responses to the Cornell Medical Index

Development of Methods for the Surveillance of Working Population Morbidity and Mortality

Lipids Research Center

Design and Analysis of 14 Prevalence Studies in Three Countries

Design of a Mortality Follow-up Study to Test Various Elements of the Lipid Hypothesis

Participation in Multicenter Coronary Primary Prevention Care Center

Design and Analysis of Family Aggregation and Genetic Studies of Lipids and Lipoproteins

Evans County Cardiovascular Disease Survey

Continuing Development of Multiple Multi-Discipline Studies of the Development of Cardiovascular Disease in this Total Community Epidemiological Laboratory

Research Interests (continued)

Edward H. Wagner

Development of Methods to Assess Clinical Decision-Making
Assessing Clinical Competence of Family Nurse Practitioners
Hypertension Treatment in a Rural Community
Symptoms in Health Behavior
Measurement of Outcomes in Primary Care

Carolyn A. Williams

Quality of Care of Health Services on Population Groups
Utilization of Nurse Practitioners in Health Care Delivery

Susanne H. Wolf

Family Nurse Practitioner Project: Developing Methods for
Evaluation of Clinical Decision-Making

IV. Public Service Programs

A. Faculty Service Programs

Dragana Andjelkovic

School of Public Health:

Member, Institutional Review Board on Research
Involving Human Subjects

Caroline Becker

Department:

Chairman, Space and Resources Committee

School of Public Health:

Chairman, Library Liaison Committee

University:

Member, Health Sciences Library Committee

Member, Search Committee for Director of
Health Sciences Library

Member, Administrative Board of the School
of Library Sciences

State:

Principal Investigator, Evaluation of N.C.
Regional Medical Program Hypertension
Control Programs

Invited Speaker, Wake AHEC Hypertension Preven-
tion Workshop (also, Member, Program Committee)
April 1976

Consultant, N.C. Heart Association, Hypertension
Prevention in the Young

Consultant, Epidemiology of Fatal Acute Myocardial
Infarctions in Edgecombe County

Consultant, Tuberculosis in Swine in N.C.

Invited Speaker, N.C. Local Health Directors Work-
shop, Greensboro, September 1976

Consultant, N.C. Multiphasic Screening Program:
Approaches to Evaluation

Consultant, Youth Development Program in N.C.

Consultant, Home Health Agency of Chapel Hill

Member, North Carolina Task Force on Hypertension,
June 1975

National:

Co-Project Coordinator, Effects of Contraceptives
on Blood Pressure, Evans County, Georgia

John Cassel

Department:

Informal Dissertation/Thesis Seminars

School of Public Health:

Ad Hoc Advisory Committee on Goals and Directions
in the School of Public Health

University:

Lecturer to 2nd year medical students on Epidemi-
ology as part of Medicine and Society course

State:

Speaker, Seminar series on "The Impact of Health
Services on Health" at Duke University Insti-
tute of Policy Sciences and Public Affairs on
March 28, 1975

National:

Member, Institute of Medicine, National Academy
of Sciences
Chairman, Policy Advisory Board, Multiple Risk
Factor Intervention Trials, NHLI
Member, Metropolitan Research Center Review
Committee, NIMH
Member, National Board for the Robert Wood
Johnson Clinical Scholars Program
Consultant, Roche Psychiatric Service Institute
Member, Editorial Board, Preventive Medicine
Board of Overseers, American Journal of Epidemiology
Consultant, The American Health Foundation
Speaker, Conference on Man-Environment Relations,
University of Pennsylvania, March 1975
Speaker, Colloquium on Urban Population Dynamics,
Johns Hopkins Population Center, October 1976
Seminar presentation, Boston University, March 1976
Seminar presentation, Harvard University, February
1976

Joan Cornoni

Department:

Chairman, Student Affairs Committee

School of Public Health:

Member, Traineeship and Fellowship Committee
Member, Minority Curriculum Committee

State:

Member, North Carolina Public Health Association
Governing Council
Member, North Carolina Public Health Association
Scholarship Committee

Joan Cornoni (continued)

National:

Consultant, National Institute for Alcohol Abuse
and Alcoholism
Consultant, National Center for Health Statistics

Barbara Hulka

Department:

Member, Graduate Studies Committee

University:

Lecturer to 2nd year medical students on 2-hour
Review of Epidemiology
Lecturer to medical students on Epidemiology of
Cancer
Lecturer to Clinical Scholars on Issues in Survey
Research with Specific Applications
Lecturer to Family Medicine Faculty and Residents
on Physician Awareness of Patients' Unspoken
Needs
Lecturer to Department of Family Medicine on
Research Designs Pertaining to Use of Anti-
coagulants: Critique of Studies
Lecturer to 2nd year medical students on Epidemi-
ology as part of Medicine and Society course

State:

Appointment as Associate Clinical Professor of
Community Health Sciences (Epidemiology)
Duke University Medical Center, Durham, North
Carolina

National:

Member, Editorial Board, Medical Care
Member, Editorial Board, Journal of Community Health
Presentation, "Evaluation of Primary Medical Care"
at Association of Teachers of Family Medicine,
Miami, Florida, February 19-21, 1975
Presentation, "An Evaluation of Primary Medical
Care" at Association of Health Records,
Rochester, Minnesota, June 23, 1975
Seminar, "AAFP Study" at the University of Texas,
May 5-6, 1975
Seminar, "Assessment of Primary Medical Care: A
Community Study" at the Tulane School of Public
Health, New Orleans, Louisiana, February 7-9, 1976

Barbara Hulka (continued)

National:

Discussant, for 6 papers at the Conference on Behavioral Factors in Cancer Control at the National Cancer Institute, San Antonio, Texas, January 20-22, 1975

Chairman, Session on Epidemiologic Methods at the American Public Health Association, Chicago, Illinois, November 16-20, 1975

Michel A. Ibrahim

School of Public Health:

Chairman, Personnel and Finance Committee

Member, Administrative Board

Member, Occupational Health Studies Group Policy Board

University:

Member, Academic Programs Council, Carolina Population Center

Member, Research Coordinating Council of the Health Services Research Center

Chairman, Blue Ribbon Committee for Evaluation of WIC Program (Medical Evaluation of the Supplemental Food Program for Women, Infants and Children) for the USDA and the SPH Department of Nutrition

Lecturer to 2nd year medical students on Epidemiology as part of Medicine and Society course

Member, Advisory Committee to the Cancer Control Program of the Duke Comprehensive Cancer Center

National:

Editorial Consultant, J. Chronic Diseases

Chairman, Editorial Board, American Journal of Public Health

Representative, APHA Epidemiology Section to the APHA Health Education Advisory Committee

Associate Editor, American Journal of Epidemiology

Consultant, National Cancer Institute

Founder, Niagara Frontier Environmental Health

Research Foundation, Inc., Niagara Falls, New York

Member, Advisory Committee to the Research Triangle

Institute National Study of Head and Spinal Cord

Injury, under contract from the National Institute of Neurological Diseases and Stroke

Sherman A. James

Department:

Chairman, Student Affairs Committee
Member, Admissions Committee
Acting Director, Psychosocial Epidemiology Training
Program
Member, Seminar Committee

School of Public Health:

Member, Minority Faculty Development and Recruitment
Committee
Member, Institutional Review Board for Research
Involving Human Subjects
Member, Epidemiology Chairperson Search Committee

University:

Behavioral Sciences Research Consultant, Clinical
Scholars Program

National:

Ad hoc consultant, "Health Care and the Disadvantaged,"
Health Services Research Study Section, National
Center for Health Services Research (January 12-14,
1976)
Member, Health Services Research Study Section,
National Center for Health Services Research,
effective June, 1976
Consultant, Sickle Cell Disease Branch, National Heart
and Lung Institute, DHEW. Member, Site Visitor
Team to the Boston Comprehensive Sickle Cell Center
(February 29-March 3, 1976)
Member, Editorial Board, Journal of Community Psychology
(Community Psychology), American Psychological
Association

Anthony J. McMichael

Department:

Chairman, Seminar Committee
Member, Admissions Committee

School of Public Health:

Member, Computer and Data Processing Advisory Committee

University:

Consultant, Department of Medicine's Study of Fluoros-
copy and Cancer Incidence

National:

Consultant, National Science Foundation

Anthony J. McMichael (continued)

National:

Consultant, National Bladder Cancer Project (NCI)
Consultant, Epidemiology and Disease Prevention Study
Section (NIH)
Consultant, United Paper Workers Union

Abdel R. Omran

International:

Conducted the Arab East Conference in Alexandria,
Egypt which is contracted for between UNC and AID
(January 3-12, 1976)
Conducted a workshop in population epidemiology at
Assiut University, partly sponsored by the Regional
Office of WHO in Alexandria, Egypt. This is a part
of the activities of WHO Reference Center in the
Department of Epidemiology

Ralph Patrick

Department:

Chairman, Graduate Studies and Curriculum Committee

School of Public Health:

Member, Advisory Committee for the B.S.P.H. Program

University:

Elected member of the Faculty Council

Carl Shy

Department:

Chairman, Admissions Committee

University:

Conference Chairman, Conference on Recruitment and
Training of Physicians in Occupational and
Environmental Medicine, Quail Roost Conference
Center, N.C., December 9, 1975
Member, Radioisotope Safety Committee
Director, Institute for Environmental Studies

State:

Chairman, Occupational Health and Air Conservation
Committee, N.C. Lung Association
Member, Board of Directors, N.C. Lung Association
Conference Chairman and Chairman of Planning Committee,
Conference on Growth Options for Orange County,
Hillsborough, N.C., September 26-28, 1975

Carl Shy (continued)

State:

Presentation on Planning for Growth and Environmental Quality, Conservation Council of N.C., Betsy Jeff Penn Center, Reidsville, N.C. October 26, 1975
 Group discussion leader, Occupational Health Workshop, N.C. Health Convocation, Greensboro, N.C., December 3, 1975

National:

Co-chairman, Subcommittee on Nitrogen Oxides, Committee on Biological Effects of Air Pollution, National Research Council, National Academy of Sciences, 1974-1976.
 Member, Committee on Energy and Environment, Commission on Natural Resources, National Research Council, National Academy of Sciences, 1974-1976
 Member, National Air Conservation Commission, American Lung Association, 1974-present
 Discussion group chairman, Working Group on Clinical and Disease Manifestations of Exposure to Environmental Agents, National Institute of Environmental Health Sciences Retreat, Wrightsville Beach, N.C., September 26-28, 1975
 Discussion group chairman, Working Group on Epidemiological and Clinical Studies, Conference on Biological Hazards of Energy Production, Pinehurst, N.C., January 7-9, 1976
 Presentation before the Congressional Committee on Science and Technology, Subcommittee on the Environment. Subject: Health Effects of Atmospheric Sulfates, Washington, D.C., July 9, 1975
 Presentation on Health Rational for a Significant Harm Level for Atmospheric Sulfates. Presented at public hearing conducted by California Air Resources Board as consultant to the Board, Los Angeles, California, February 21, 1976
 Expert testimony on Health Effects of Increased Sulfates in the Los Angeles Air Basin. Presented as consultant to the California Air Resources Board, hearings before the Federal Power Commission, Washington, D.C., March 11, 1976
 Member, Fossil Fuel Panel, Analysis of the ERDA Plan and Program Congress Office of Technology Assessment, Washington, D.C., July 7-11, 1975
 Member, Environment and Health Panel, Analysis of the ERDA Plan and Program, U.S. Congress Office of Technology Assessment, Washington, D.C., August 4-8, 1975

Carl Shy (continued)

International:

As consultant to Pan American Health Organization,
attended conference as speaker and workshop
participant at the Conference on Air Quality
Standards, Sao Paulo, Brazil, March 15-19, 1976

Cecil Slome

Department:

Faculty Coordinator for Technical Assistance Unit for
the Department of Epidemiology
Department Coordinator for student field experience
program

School of Public Health:

Member of advisory committee to Division of Community
Health Services

State:

Coordinating faculty for study of Increasing Rates of
Infant Mortality in Cleveland County, N.C.
Consulting Epidemiologist to State Division of Health
Services: Study of Needs of Epileptics in North
Carolina
Consultant, Office of the Chief Medical Examiner
Hypertension and Diabetes Drug Taking Survey
Cervical Cancer Screening Follow-up Study, Division
of Health Services, Chronic Disease Branch

National:

Consultant, Cancer Education Control Program,
University of California, Los Angeles

H.A. Tyroler

Department:

Program Director, Environmental Epidemiology Research
Training Grant
Co-Director, Cardiovascular Disease Epidemiology and
Biostatistics Research Training Grant
Member, Admissions Committee
Chairman, Graduate Studies and Curriculum Committee
(Spring 1975)

School of Public Health:

Epidemiologic Coordinator, Occupational Health Studies
Group; Member, OHSB Policy Board

University:

Member, Cancer Center Advisory Committee

H.A. Tyroler (continued)

National:

Member, Committee on Postgraduate Education of the
Council, American Heart Association
Hypertension Detection and Follow-up Program
Chairman, Behavioral Aspects Subcommittee
Member, Medical Care Subcommittee
Lipids Research Clinic Program, NHLI
Chairman, Epidemiology Committee
Chairman, Epidemiology Executive Committee
Chairman, Family Studies Committee
Chairman, Family Studies Executive Committee
Chairman, Prevalence Committee
Chairman, Prevalence Executive Committee
Member, Advisory Council
Member, Safety and Data Monitoring Board
Epidemiology Branch, NHLI
Member, Epidemiology Ad Hoc Advisory Committee

International:

Participant in Meeting on Cancer Registries and
Occupational Carcinogenesis held in Lyon, France,
September, 1975
Short course, Graduate Summer Session in Epidemiology,
University of Minnesota, "Epidemiologic Basis for
Health Services Planning and Evaluation", June 22-
July 2, 1975
Short course, American Heart Association teaching
seminar, Lake Tahoe, "Cardiovascular Disease
Epidemiology", August 4-15, 1975

Edward H. Wagner

Department:

Minorities Course, March 10, 1975
Member, Admissions Committee
Member, Search Committee for Departmental Chairman
Coordinator, Health Services Research - Clinical
Epidemiology Seminars

School of Public Health:

Clinical Trials Course, April 21-23, 1975

University:

Member, Research Coordinating Council of the Health
Services Research Center
Clinical Scholars Methodology Seminars, School of
Medicine, Department of Medicine, October 1 through
December 3, 1975

Carolyn A. Williams

Department:

Member, Graduate Studies Committee

School of Public Health:

Member, Search Committee for Departmental Chairman

University:

Research Associate and Member, Research Coordinating Council, Health Services Research Center

National:

Member, Program Committee, Nursing Section, American Public Health Association, 1975

Referee to evaluate potential papers and Abstractor, American Journal of Public Health

Member, 1975 Program Committee, Public Health Nursing Section, American Public Health Association

Short-term consultant, National Center for Health Services Research and Development, to review a document by HEW staff on Research Pertaining to Physician Extenders

Member, Review Panel for Doctoral Dissertation Research Grant Applications, National Center for Health Services Research and Development, Health Resources Administration, DHEW, March 1976

Member, Program Development Board, School of Public Health, University of South Carolina, Columbia

International:

Pan-American Sanitary Bureau of the World Health Organization--Short-term consultant to the Department of Nursing, University of Chile in Santiago, for planning toward development of a Master's Program in Community Health, May 1975 and March 1976

V. Faculty

A. Faculty - full time

Dragana Andjelkovic, M.D., M.P.H., Dr. P.H., Assistant Professor
Caroline Becker, M.D., Assistant Professor
John C. Cassel, M.B.Ch.B., M.P.H., Professor
Joan C. Cornoni, M.P.H., Ph.D., Associate Professor
John T. Fulton, D.D.S., Professor Emeritus
Barbara S. Hulka, M.S., M.D., M.P.H., Associate Professor
Michel A. Ibrahim, M.D., M.P.H., Ph.D., Professor and Chairman
Sherman A. James, Ph.D., Assistant Professor
Berton H. Kaplan, M.S., Ph.D., Professor
Anthony J. McMichael, M.D., Ph.D., Assistant Professor
Abdel R. Omran, M.D., D.P.H., M.P.H., Dr. P.H., Professor
Ralph C. Patrick, Jr., A.M., Ph.D., Associate Professor
Carl M. Shy, M.D., Dr., P.H., Research Professor
Cecil Slome, M.B.Ch.B., D.P.H., Professor
Herman A. Tyroler, M.D., Professor

Faculty - Adjunct Appointments

Kenneth Bridbord, Adjunct Assistant Professor
David C. Deubner, Adjunct Assistant Professor
Stephen H. Gehlbach, Adjunct Assistant Professor
Michael A. Hamilton, Adjunct Assistant Professor
Douglas I. Hammer, Adjunct Assistant Professor
Carl Hayes, Adjunct Assistant Professor
Michael D. Hogan, Adjunct Assistant Professor
James S. House, Adjunct Assistant Professor
G.J. Love, Adjunct Assistant Professor
James H. Stebbings, Adjunct Associate Professor

Faculty - Joint Appointments

Eugene Mayer, M.D., Associate Professor in Family Medicine and Assistant Professor in Epidemiology
Richard McDonagh, M.D., Associate Professor in Pathology and Assistant Professor in Epidemiology
Samuel Putnam, M.D., Assistant Professor in Medicine and in Epidemiology
*Carolyn Williams, Ph.D., Associate Professor in Nursing and Assistant Professor in Epidemiology
*Edward Wagner, M.D., Assistant Professor in Medicine and in Epidemiology

*Maintain offices in Department of Epidemiology

Other Academic Personnel

Carol L. Carroll, M.P.H., Research Assistant
Lawrence Clark, B.S., M.P.H., Research Associate
Suzanne Haynes, B.S., M.A., Ph.D., Research Associate
Robert Holbrook, M.P.H., Research Assistant
Jo E. Maready, B.A., Research Associate
Susanne H. Wolf, M.P.H., Research Associate

B. Changes during the year

Promotions:

Joan C. Cornoni, M.P.H., Ph.D., was promoted from an Assistant Professor to an Associate Professor
Michel A. Ibrahim, M.D., M.P.H., Ph.D., was named Chairman of the Department of Epidemiology

Leaves:

Dr. Joan Cornoni
Dr. Berton Kaplan

Resignations:

Laureen S. Froimson, M.S., Research Assistant
James A. Merchant, Adjunct Assistant Professor
Vaun A. Newill, Adjunct Associate Professor
James Schwankl, M.D., Instructor in Pediatrics and Epidemiology

C. Proposed Additions to Faculty

Three additions proposed:

2 research assistant professors

One will become project director for a study to test methods of determining standards of care for common conditions in adult medicine and of measuring physician adherence to these standards. This person will be responsible for coordinating the activities of the research staff and the analysis of the information obtained. This person will also participate in other research and educational activities in the department.

The other will work with the research team of the Occupational Health Studies Group, which is conducting prospective and retrospective epidemiologic studies under contracts with 4 of the large U.S. rubber companies.

Proposed Additions to Faculty (continued)

1 rank not determined

Attempts will be made to recruit an epidemiologist with skills and expertise in the application of advanced epidemiologic methods.

D. Special Achievements of Faculty

John C. Cassel

Elected to Institute of Medicine, July 1975
Awarded Endowed Chair of Alumni Distinguished Professors, July 1975
Elected to present Wade Hampton Frost Lecture at 1975 APHA meeting
McGavran Award, 1976

Barbara S. Hulka

1975 Award for Excellence, Statistics and Epidemiology Section, North Carolina Public Health Association

Abdel R. Omran

Awarded gold plaque in recognition of his contribution to the Taiwan Maternal and Child Health Institute, May 1975

E. Special Assignments of Faculty

Joan C. Cornoni

To study at the National Center for Health Statistics in Washington, D.C. in the Division of Cooperative Health Statistics System, September 1, 1975 to August 31, 1976

Suzanne G. Haynes

To study further at the National Heart and Lung Institute under the Intergovernmental Personnel Act of 1970, September 1, 1975, through August 1, 1977

VI. Special Plans, Departmental Distinctions, Developing Trends

The philosophy guiding the educational program in this department is that it is no longer feasible or desirable to attempt to teach all the known facts in any given discipline; it is unfeasible because there are too many facts to be remembered and undesirable because many of them may change tomorrow. If such an assumption is true for any single discipline, it is obviously even more valid in a department which is attempting to integrate many of the diverse sciences to man (particularly the biological, and a number of the behavioral sciences) for the study of the phenomena of health and disease in social groups.

Accordingly, the faculty has accepted the fact that many students will graduate with gaps in their knowledge and that a fixed or required curriculum no longer makes educational sense. Thus, beyond the few courses required by the School, the department has no fixed requirements. In lieu of such requirements, there is an expectation that as rapidly as possible, each student, in consultation with his advisor, will specify a series of issues or concerns that are central to his or her interests. It is then the responsibility of the faculty, together with the student, to delineate the competencies that will be required to resolve these issues. Finally, the faculty have the responsibility of indicating to the student the various options open to obtain such competencies. These can include formal courses within and outside the department, informal seminars, directed reading, participation in an ongoing departmental research project, exploration of data sets available within the department and participation in clinical activities.

The major evidence required to determine whether a student has benefited from such an experience is documentation through a research project that the original issue has been resolved (usually this would apply to doctoral candidates) or in the case of master's candidates, the development of viable approaches which if applied could resolve the issue.

