PROFILE: NORTHWESTERN OHIO REGIONAL MEDICAL PROGRAM

GRANTEE: Medical College of Ohio at Toledo

COORDINATOR: C. Robert Tittle, Jr., M.D.

Originally prepared by: James A. Smith
Operations Officer

Original date: September 25, 1969

Updated: ________________________________

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NORTHWESTERN OHIO
Regional Medical Program

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I. Geography

This region comprises twenty counties with an area of 8,635 square miles in Northwestern Ohio with a total population of 1,360,977. This is an industrial area with 90% or more of the employed population engaged in non-agricultural occupations. Transportation facilities within the region are adequate to assure prompt access to medical facilities principally by Interstate Highways and the Ohio Turnpike. Seven major railroads serve the Region, in addition to two major interstate buslines, and four major airlines.

The Northwestern Ohio Regional Medical Program is coterminous with the Ohio State Regional Medical Program, Columbus, Ohio, and Northeastern Ohio Regional Medical Program, Cleveland, Ohio.
II. Demography

A. Population: As of 1965, there were approximately 1.4 million people residing in this region.

1. Roughly 73% urban
2. Roughly 92% white
3. Median age: 29.5 (U.S. average - 29.5 years)

B. Land area: 8,635 square miles

C. Health statistics: Mortality rate

1. Rate for heart disease: 371/100,000 (high)
2. Rate for cancer: 155/100,000 (high)
3. Rate for CNS vascular lesions: 109/100,000 (high)

D. Facilities statistics:

1. Medical College of Ohio at Toledo (first year activity)
2. There are 9 nursing diploma schools (RN's) and 5 schools of practical nursing; also there is one AD Program located in Lima Ohio.
3. There are 5 approved schools of Medical Technology.
4. There is one Laboratory of Cytotechnology within this region.
5. There are 10 approved schools of X-ray technology.
6. The total number of hospitals is 43 with 5,976 beds.

E. Personnel statistics

1. There are 1340 M.D.'s (98/100,000) and 120 D.O.'s within this region.
2. The number of active nurses is 6200 (453/100,000).
3. There are 26 physical therapists, 39 medical social workers, 671 dentists and 1,675 occupational therapists.
III. Politics

A. Governor: James A. Rhodes (R), 1967-1971

B. Senators:

1. Stephen M. Young (D), 1958-1971
   Member, Special Committee on Aging
   Member, Public Works Committee

2. William B. Saxbe (R), 1968-1975
   Member, Labor and Public Welfare Committee
   Member, Special Committee on Aging

C. Congressmen:

1. Charles A. Mosher (R)

2. Thomas L. Ashley (D)

3. Jackson E. Betts (R)

4. Delbert L. Latta (R)

5. William M. McCulloch (R)
IV. Historical Review

February 1966
First meeting by interested physicians in Toledo area to consider the development of a Regional Medical Program under Public Law 89–239.

"Ad Hoc" Committee formed to establish a Regional Medical Program for Northwestern Ohio. Preliminary inventory of Regional Health Manpower and Facilities.

Approximately $19,000 in the form of cash, manpower, and facilities for preplanning have been contributed by various agencies as evidence of strong community support for the proposed Regional Medical Program.

May 1966
Meeting held with DRMP to discuss preliminary plans for submitting a planning application.

Encouraged by DRMP to continue work toward making a planning application.

Summer–Fall 1966
Twenty meetings were held by Ad Hoc Committee during this period. Entire region was covered and discussions were held with practicing physicians and hospitals relative to their desire to participate in the program.

April 1967
Because of favorable physician and hospital response it was decided to organize a temporary Regional Advisory Group and proceed with developing a planning grant application.

June 1967
RAG elects officers and an Executive Committee with the directive to prepare a Planning Grant application.

July 1967
Dr. C. Robert Tittle Jr. Was appointed Coordinator.

October 1967
First year request – $309,180.
November 1967

Council and Committee critique of Planning application:

1. Reviewers impressed with the applications which shows considerable pre-planning.

2. Reviewers felt the budget and program period should be rephased over a two-year period to provide time to get tooled up.

3. Some question as to the resources within this twenty county area for making this a viable region.

4. It was noted by the reviewers that financial assistance had been provided by the Heart Association for the planning phase.

January 1968

Planning award - $274,450 DC

Recruitment of Core staff:

Mr. Donald Grubb - Assistant Program Coordinator
Mr. James L. Pullella - Systems Analyst
Mrs. Loalouise Geiger - R.N.
Mr. Thomas Browning - Systems Communication Consultant

December 1968

Planning continuation application submitted to DRMP

DRMP staff review and comments:

1. Consensus of staff that region is making satisfactory progress toward meeting the objectives stated in original application.

2. Core staff recruitment as planned

3. Possibility of establishing a non-profit corporation to serve as grantee

4. Concern noted that 50% core physicians who head categorical programs also serve as chairmen of these reference panels.

Physicians who are chairmen of Reference Panels are appointed to Medical College faculty and paid $10,000 per year for their activities. They do not really head categorical programs but chair panels which review initially all programs in their disease...
category field. They recommend modifications of the proposals, or recommend the proposal be accepted or not by the RAG. All concepts of regionalization are considered in making such decisions.

December 1968
Planning Supplemental Request - $141,655

January 1969
02 Planning award - $271,137 DC

January 1969
First operational application submitted - $1,530,680

April 1969
Site visit - Mr. Joseph S. Murtaugh, Executive Director, Board on Medicine National Academy on Sciences; William S. Spicer, M.D., Coordinator, Maryland RMP; Richard F. Mattingly, M.D., Marquette University School of Medicine; DRMP Staff - Mr. Robert Jones, Mr. Walter Hangen.

Critique and Comments:

1. Noted good interaction with other health related programs.

2. Key strength of program lies in the active support of program by private medical sector.

May 1969
Committee and Councils critique and comments on supplemental and operational request.

1. Agreed with site visit report.

2. Noted high degree of cohesiveness within the region.

3. Cooperative relationships and organizational liaisons have been developed with other RMP's.
4. Suggested that staff be increased to provide additional expertise in biostatistics and epidemiology to strengthen the substantive management of data.

Recommended: approval.

July 1969  
First operational award - $690,702 DC
V. Core Staff

A. The Core staff is located in the Regional office at 1600 Madison Avenue, Toledo, Ohio.

B. The following is a list of the major core staff and their percent of time spent working in the Regional Medical Program.

C. Robert Tittle, Jr., M.D. - Coordinator (100%)

Donald A. Grubb, M.B.A. - Assistant Program Coordinator (100%)

Loalouise Greiger, R.N. - Nursing Research & Lecturer Associate (100%)

James L. Pullella, M.P.H. - System Analyst (100%)

Thomas H. Browning, B.S. - Systems Communications Consultant (100%)

Louis Black, M.D. - Heart Disease (50%)

Daniel Hanson, M.D. - Cancer (50%)

Anthony Ionane, M.D. - Stroke (50%)

Herman W. Reas, M.D. - Related Disease (50%)

James B. Felkey, B.S. - Systems Communications Specialist

Cynthia Ann Haskill - Nurse Associate
BIOGRAPHICAL INFORMATION

1) C. Robert Tittle, Jr., M.D.
   a) B.S., Pennsylvania State University, 1934
   b) M.D., University of Pennsylvania, 1938
   c) President, Pennsylvania Society of Internal Medicine, 1962-63
   d) Clinical Professor of Medicine, Med. College of Ohio at Toledo (July 1967)
   e) Program Coordinator, Northwestern Ohio RMP (July 1967)

2) Donald A Grubb
   a) B.S., Findlay College, 1956
   b) M.B.A., University of Toledo, Ohio, 1963
   c) Manager and Grant Coordinator, Institute of Medical Research, 1965-1968
   d) Assistant Program Coordinator, NWO/RMP, 1968 -

3) Louise Geiger
   a) Born May 1925
   b) R.N., Robinwood Hospital, School of Nursing, 1946
   c) B.A., Baldwin-Wallace College, 1950
   d) Head nurse surgical unit, Elyria Memorial Hospital, 1955-1961
   e) Head nurse of surgical unit, Toledo Hospital, 1963-1968
   f) Nurse Research/Lecture Associate, Northwestern Ohio RMP, 1968 -

4) James L. Pullella
   a) B.A., University of Toledo, 1951
   b) M.P.H., University of Michigan, 1962
   c) Health Educator with Toledo Health Department, 1962-65
   d) Planning Consultant with the Community Planning Council of Northwestern Ohio, 1966-1968
   e) Systems Analyst, Northwestern Ohio RMP

5) Herman W. Reas, M.D.
   a) B.S., St. Joseph's College, 1949
   b) M.D., St. Louis University School of Medicine, 1952.
   c) Rotating internship, Mercy Hospital, Toledo, 1952-53
   d) Pediatric residency, St. Louis Children's Hospital, 1955-57.
   e) Northwestern Ohio RMP, Related Diseases

6) James B. Felkey
   a) Senior IBM operator, Owens Corning Fiberglas Corporation, Toledo, 1959-62
   b) Assistant Supervisor, American Lincoln Corporation, Toledo, 1962-65
   c) Data Processing Supervisor, The Mather Company, 1965-68
   d) Shift supervisor, Kaiser Jeep Corporation, Toledo, 1968 -
   e) Systems Communications Specialist, Northwestern Ohio RMP
7) Cynthia Ann Haskell
   a) Born September 1946
   b) R.N., Maumee Valley Hospital School of Nursing
   c) Dialysis R.N., at Maumee Valley Hospital, 1961-1969
   d) Nurse Associate, Northwestern Ohio RMP

8) Karl A. Otterland
   a) Born 1920 Falkoping, Sweden
   b) M.D., University of Stockholm, Sweden, 1950
   c) Ph.D., University of Gothenberg, 1960
   e) Quarantine Medical Officer, Gothenberg, Sweden, 1955-1960
The primary project management interest during this planning phase is the status of the project. Important questions to be answered are:

--- When will a decision be reached on this project?
--- Where (and for what reason) is this project delayed?
VI. Overall Organization

A. The Northwestern Ohio Regional Medical Program is administered by a Board of Directors consisting of a balanced representative instrument of the Regional Advisory Group and the Medical College of Ohio.

B. The Medical College of Ohio is the Grantee Agent.

C. The Board of Directors has administrative cooperation with the Medical College, Advisory cooperation with the RAG, and direct authority over the Program Coordinator and his staff.

1. Membership of the Board of Directors is composed of the following representatives:
   1 Immediate Past President of RAG
   2 Medical College
   1 Advisory Group Chairman; 1 Hospital Administrator
   3 District chairman of the Advisory Group (in the three districts not represented by the Advisory Group Chairman)
   1 Program Coordinator RMP; 1 Other Health Profession

2. Meetings of the Board of Directors are held at the discretion of the President, but there shall not be less than 6 meetings each year.

D. Medical College serves as fiscal agent of the program, but the responsibility for program development rests with the Board of Directors and the multi-representative Regional Advisory Group.

E. The Regional Advisory Group must be broadly representative of the geographic area and of the social groups who will be served by the RMP.

F. The Regional Advisory Group will maintain between 50 and 55 members.

1. Functions:
   a. Review planning activities of the RMP to determine their degree of relevance to the objectives of the program.
   b. To encourage cooperative arrangements among participating institutions and interested organizations.
   c. To advise future directors and progression of the RMP to fulfill regional needs and identification of opportunities to improve patient care.
   d. To review and approve or disapprove all specific operational proposals submitted to it by the program coordinator after initial screening by the appropriate Reference Panel and approval of the Board of Directors.
G. The RAG meets not less than 3 times a year with other meetings called as deemed necessary.

H. Regional Advisory Group Auxiliary Committees:

These committees were appointed early in the initial planning phase to advise on various areas of program development, including recommendations for Program content, assistance in Program implementation, and making recommendations of methods of evaluation of program objectives. They have recently been declared inactive by the Regional Advisory Group.

I. Reference Panels

1. Members will be appointed by Program Coordinator on the basis of their special interest and training in the categories of heart disease, cancer, stroke, or related disease.

2. The panels will serve as study groups to discuss and evaluate potential program elements within their specially fields and to recommend whether or not further planning, or a pilot or an operational project should be developed by the RMP.
VII. Funded Operational Projects

#1 -- EDUCATIONAL PROGRAM FOR NURSES AND REHABILITATION NURSING TECHNICIANS

Objectives: Train registered and practical nurses and nursing technicians in the rehabilitation of patients with stroke.

#2 -- COMMUNITY EDUCATION AND IMPROVED UTERINE CANCER CONTROL

Objectives: Prevent the occurrence of late cancer through education of physicians, allied health personnel, and the general public to the methods of uterine cancer control. Requests modernization of the Cancer Control Center Operation in Toledo and the enlargement of the cytotechnology training facilities prior to expansion in the entire Region.

#4 -- INTENSIVE CARDIAC CARE TRAINING PROGRAM FOR PROFESSIONAL NURSES

Objectives: Train a total of 480 nurses in specialized cardiac care during a 3-year period and establish 5 educational centers within the Region. Training units are to be established in the Counties of Lucas, Allen, Erie, and Defiance. It is stated that at the end of the 3-year request, enough nurses will have been trained to staff all of the cardiac care facilities within this Region.

#5 -- THE IMPROVEMENT OF RESPIRATORY CARE GIVEN PATIENTS IN EXTENDED CARE FACILITIES

Objectives: Establish 3 pilot respiratory care centers to rehabilitate patients with chronic pulmonary disease. One of the centers will be developed more fully than the others to increase the capacity for evaluation of the program. Provisions are to be made in this proposal to provide continuing education of both physicians and paramedical personnel in the field of Chronic Pulmonary Disease. The proposal also includes the establishment of a 2-year school of Inhalation Therapy in the Toledo Hospital.
#6 -- NORTHWESTERN OHIO ACTION ON SMOKING AND HEALTH

Objectives: Reduce morbidity and mortality caused by excessive smoking. To be accomplished through education of both lay and professional public in order to reduce the number of persons who take up the smoking habit, increase the number of people who give up smoking, and to determine the usefulness of various educational approaches and withdrawal clinics.

#7 -- A DIAL ACCESS TAPE LIBRARY SERVICE AS A MEDICAL INFORMATION RESOURCE FOR PHYSICIANS AND NURSES IN NORTHWESTERN OHIO

Objectives: Utilize the experience of Wisconsin in the development of a Dial Access Library service. Tapes will contain emergency medical information, review of new information and other general information which is difficult to obtain elsewhere. Service would be free to all professional personnel in the Northwestern Ohio RMP service area.
APPENDIX 7

CURRICULUM VITAE

Name: James L. Pullella

Office Address: Northwestern Ohio Regional Medical Program
2313 Madison Avenue
Toledo, Ohio 43624

Residence: 1410 Freeman
Toledo, Ohio 43606

Present Position: Systems Analyst

Education: University of Toledo — B.A. Degree, 1951
Majors in French and Political Science
Many courses in Sociology and Psychology
University of Michigan — M.P.H. (Health Education) Degree, 1962
Have almost completed requirements for M.A. Degree in Political Science from University of Toledo

Health Educator with Toledo Health Department — 1962-1965
Housing Sanitarian with Toledo Health Department — 1959 - 1961

Professional Membership: The Society of Public Health Educators
American Public Health Association
Ohio Public Health Association
(Chairman of Health Education Section 1964-1965)
Ohio Association of Public Health Sanitarians

Other Memberships: Secretary — Toledo Education Association for the Chronically Ill and Aged
Executive Board of Greater Toledo Nutrition Association

Publications: “A New Approach to an Old Nemesis” (Toledo’s Neighborhood Conservation Program); Ohio’s Health, January, 1966
In Collaboration with Mr. George Mourey — “Toledo’s Food Service Program”; Ohio’s Health, June, 1965
Article on Lucas County Community Health Study; Ohio’s Health, February, 1967
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CURRICULUM VITAE

Name: Laolouise Geiger

Office Address: Northwestern Ohio Regional Medical Program
                2313 Madison Avenue
                Toledo, Ohio 43624

Residence: 1337 South Coy Road
           Oregon, Ohio 43616

Birthdate: May 12, 1925

Education:
1948
Baldwin-Wellesse College
Berea, Ohio
B.A. Degree in 1950. Majored in Psychology with Minor in Science and Sociology. Education financed through full time work as a nurse. Secretary of Spanish Club.

1943
School of Nursing — Robinwood Hospital
      Toledo, Ohio
Graduated from accredited school of nursing passing the Ohio State Board of Nursing thereby obtaining my R.N. (Registered Nurse) certificate.

1968
Northwestern Ohio Regional Medical Program
    Toledo, Ohio
Nurse Research/Lecture Associate. Responsible to present to the Allied Health Professionals within Northwestern Ohio Regional Medical Program, lectures, demonstrations, and training programs; to develop ongoing Continuing Medical Education Programs; and to develop and solicit continuing cooperation in a tactful, friendly manner. Work closely with the Reference Panels on Heart-Cancer-Stroke-and Related Disease, and with the Committee on Continuing Medical Education. Directly responsible to the Assistant Program Coordinator in Administrative matters, and for assignment of work projects.

1963
The Toledo Hospital
Toledo, Ohio
Head nurse of a surgical unit for one year. Head nurse of an intensive care unit and surgical unit for one year. Head nurse of an intensive care unit and coronary care unit for two years. Directly involved in planning and establishing both the intensive care and coronary care units. Chairman of the procedures committee for two years. Presented numerous in-service programs on team nursing and cardiac nursing. Conducted workshops for intensive care the coronary care unit personnel. Presented conference on “Importance of Housekeeping Within a Hospital” for State Housekeepers Association.
Served on doctor-nurse committee for intensive care nursing. Developed philosophy, center procedures and concept of care within intensive care unit. Attended various intensive care and coronary care workshops through the country.

1962 to 1963
District Nurse Association Toledo, Ohio
Private duty nursing. Experience mainly in surgical post operative area.

1961 to 1962
Cleveland University Hospital Cleveland, Ohio
Head nurse on female, surgical division. Experience in open heart and chest surgery predominant. Attended medical grand rounds and follow-up conference once a week. Presented in-service programs on team nursing open heart and chest surgery nursing. Attended many medical clinics on disease entities. Colbrela allied with Doctor Claude S. Beck noted open heart surgeon.

1955 to 1961
Elyria Memorial Hospital Elyria, Ohio
Head nurse surgical unit. Class advisor for student nurses for three years. Presented in-service programs on oxygen therapy, hospital costs and nursing care of surgical patients with emphasis on psychological aspects.

1955 to 1955
Lakewood Hospital Lakewood, Ohio
Head nurse operating room.

1950 to 1955
Cleveland Metropolitan Hospital Cleveland, Ohio
Instructor of Communicable Disease Nursing one year. Supervisor of Surgical Units for four and half years. Gained valuable experience in leadership and direction of personnel. Attended weekly medical grand rounds and follow-up conference. Worked with physicians on committees formulating policies and standards of patient care. Attended varied nursing in-service programs.

1949 to 1950
Berea Community Hospital Berea, Ohio
Relief (3-11) Supervisor. Gained experience in emergency room nursing.

1948 to 1949
Berea Methodist Childrens Home Berea, Ohio
Cared for the children during their childhood diseases. Instituted a programmed approach to their routine care.

1947 to 1948
Oakland Veterans Hospital Oakland, California
Staff nurse on medical surgical male unit.

1946 to 1947
Berea Community Hospital Berea, Ohio
Staff nurse on medical surgical unit.
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Lois Louise Geiger's CURRICULUM VITAE

Personal Background and Interests:


Affiliations:

Member of St. Marks Lutheran Church; Baldwin Wallace Alumni Association; St. Lukes Alumni Association; District Nurses Association; American Nurses Association; National League Nursing Education; Associate of Art Museum.
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CURRICULUM VITAE

Name: Donald A. Grubb
Office Address: Northwestern Ohio Regional Medical Program
2313 Madison Avenue
Toledo, Ohio 43624
Residence: 10947 Winslow Road
Whitehouse, Ohio 43571
Present Position: Assistant Program Coordinator
Birthdate: August 3, 1926
Education:
1957 to 1963
Graduate School of Business—University of Toledo, Ohio
Degree of Master of Business Administration in May, 1963
with concentration in Business Management. Attended Evening
School while maintaining a full-time job. Masters Thesis Enti-
titled, "Organizing for an Effective Work Measurement System".
1954 to 1956
Findlay College—Findlay, Ohio
B.S. Degree in 1956. Majored in Business Administration with
Minor in Psychology and Sociology. Education financed through
Veterans Bill 50% and part-time work 50%. Member of Col-
lege Fraternal Order. Editor of Year Book. Participated in intramural athletic program.
1946 to 1947
Northwestern School of Commerce—Lima, Ohio
Special course in Business Administration and Salesmanship.
Work study courses in Systems, Personnel, Management De-
velopment through Administrative Management Society. Study
Seminars in the applications of PERT, CPM and MAP techni-
qued through Management Development Institute, Inc. Study
Seminars in New Product Development. Technical Planning and
Management Information Systems through the American Man-
agement Association.
Employment:
1968 to Present
Northwestern Ohio Regional Medical Program—Toledo, Ohio
Assistant Program Coordinator. Responsible for administration,
staff assignments, fiscal responsibility. Directly responsible to
Program Coordinator in development of Regional Medical Pro-
gram. Assist in regional direction and coordination of all activi-
ties. Directly responsible for the administration and implementa-
tion of: Office Methods and Procedures; Systems Procedures;
Job Assignments and Workload Scheduling; Gathering and
Documentation of Information, Preparation and Dissemination
of necessary Reports and all other data needed for effective
audit; Responsible for all personnel Assignments and their
complete Documentation for Continuity.
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Donald A. Grubb's CURRICULUM VITAE

Employment Cont'd.

1965 to 1968
Institute of Medical Research Toledo, Ohio
Manager and Grant Coordinator, Responsible for administration of Institute. Directly engaged in development of Office Methods, Procedures, Fiscal and Budgetary Control and Formulation. Direct control of all personnel policies and practices. Directly engaged in public relations work with various governmental agencies and coordination of grant monies with those agencies. Secretary of Ad Hoc Committee for the development of Northwestern Ohio Regional Medical Program; Chief Investigator of The Utilization of Hypnosis in Accelerated Learning - Presented Papers in this area before Association To Advance Ethical Hypnosis.

1957 to 1965
Libbey-Owens-Ford Glass Company Toledo, Ohio
As a Work Measurement Analyst. Directly engaged in the development and selling of work measurement programs to employees throughout all areas of the company. The work measurement activities included: charting, timing, and developing standards of efficiency of clerical workers to determine indirect labor requirements and costs; developing office methods and procedures; and systems analysis. Also worked as a Factory Budget Analyst in developing factory budgets and determining labor costs.

1954 to 1956
Imperial Appliance Findlay, Ohio
As an Office Manager. Experience also consisted of selling small and heavy appliances.

1949 to 1951
Hotel Phoenix Findlay, Ohio
As Night Manager. Gained administrative and promotional experience as well as meeting and dealing with the public.

Military Service:

1944-1946
U.S. Navy with duty in the Pacific Theater.

1946-1951

1951-54
U.S. Naval Reserve (Active)

Personal Background and Interests:

Brought up in Findlay, Ohio. Son of Milk Route Owner. Attended Public Schools, graduating from Findlay Senior High School. Worked after school hours on part-time jobs, member of Projection Club in high school. Served as Deacon on Church Council. Married home-town girl, Esther Mae Crittenden, in 1952. Interested in bowling, hiking, swimming, social functions, reading, and coin collecting.

Affiliations:

Member of the American Public Health Association, Ohio Hospital Association; Administrative Management Society; Association to Advance Ethical Hypnosis; of this I am a Certified Hypno-Technician; Fellow in The American Society of Psychological Research; American Management Association; and International Institute of Hypnosis.
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CURRICULUM VITAE

C. Robert Tittle, Jr., M.D.

Office Address: Northwestern Ohio Regional Medical Program
2313 Madison Avenue
Toledo, Ohio 43624

Residence: 2921 Hardale Boulevard
Toledo, Ohio 43606

Present Position: Clinical Professor of Medicine
Medical College of Ohio at Toledo (July, 1967)
Program Coordinator
Northwestern Ohio Regional Medical Program (July, 1967)

Education: Pennsylvania State University — B.S. - 1934
University of Pennsylvania — M.D. - 1938

Internship: Graduate Hospital of the University
of Pennsylvania — 1939 - 1940

Medical Residency
and Fellow: Abington Memorial Hospital
1940 - 1942

From Instructor to
Associate Professor: Clinical Medicine, Graduate School of
the University of Pennsylvania — 1946 - 1964

Director of Medicine
and Director of
Medical Education:
Maumee Valley Hospital, Toledo, Ohio 1964 - 1968

Visiting Physician: Metabolic & Endocrine Services, Graduate Hospital of the
University of Pennsylvania

Visiting Physician: Medical Service of the Abington Memorial Hospital, Abington,
Pennsylvania

Incorporate:
American Board of Internal Medicine — 1948

Fellow:
of the American College of Physicians — 1952

Alpha Omega Alpha: University of Pennsylvania — 1938

Member:
American Medical Association
American Heart Association
New York Academy of Sciences
American Diabetic Association

President:
Pennsylvania Society of Internal Medicine — 1962 - 1963