

MED *conspectus*

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Community Physicians: A medical school asset

Unlike many other educational institutions, the faculty at the UMD School of Medicine outnumber the students.

Thirty-eight full-time faculty are supplemented by 185 area physicians to teach the 84 medical students.

The School of Medicine, which opened in 1972 as a community-based medical school, depends heavily on the support and involvement of the community's physicians.

Physicians involved in initial curriculum planning knew the importance of strengthening basic science knowledge with clinical reinforcement, so clinical teaching has always been an integral part of the curriculum.

Of the approximately 180 Duluth physicians, 145 have clinical appointments with the School of Medicine, according to G.E. Cotton, M.D., acting head of the Department of Clinical Sciences.

Clinical teaching schedules are organized by clinical coordinators who arrange the teaching hours in their specialties. They are: James Blackman, M.D., family practice; Bart Cuderman, M.D., surgery; Mark Eckman, M.D., internal medicine; Edward Jimenez, M.D., neurology; Clyde Olson, M.D., psychiatry; A.E. Reardon, M.D., pediatrics; and Bruce F.P. Williams, M.D., obstetrics and gynecology.

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Photo by Ken Moran

Carol Ness, first year student,
and Dr. James Blackman
study an X-ray.

By the end of this academic year, the physicians will have spent 286 hours in classroom lectures, Cotton said. They lecture to the students at the campus or at the Duluth hospitals.

Another important aspect of clinical teaching is the clinical rounds and clerkship program.

Once a week, a small group of students accompany a physician on his hospital rounds to observe patient care at the patient's bedside, in the operating room or in the delivery room. The student groups rotate every few weeks to a different specialty area.

Each student is also required to do a complete medical history and physical examination (H&P) on an assigned patient each week, which he/she discusses with the physician.

Last year, 50 physicians spent 884 hours in the clinical rounds and clerkship program.

Many physicians also participate as guest lecturers for other medical school departments, especially microbiology, physiology and anatomy.

One important contribution has been in the Department of Biomedical Anatomy's gross laboratory sessions, where local physicians don laboratory coats and work side by side with the students in the gross laboratory. They share their clinical knowledge of body structure with the students, according to T. John Leppi, Ph.D., anatomy department head.

Six surgeons have assisted regularly in the lab since the program began in 1972 and others participate as their schedules permit.

The students learn regional anatomy from specialists in orthopedics, ophthalmology, ear/nose/throat, thoracic and general surgery.

The Family Practice Preceptorship program is an integral part of the medical school's commitment to family medicine, according to James Boulger, Ph.D., associate dean.

First year medical students are assigned to preceptors in Duluth, Superior and Cloquet. They meet with their preceptors approximately

every third week for an entire morning or afternoon.

The physician and student see patients together in the physician's office, area hospitals and nursing homes. Students begin their preceptorship experience observing the practice of family medicine.

As their clinical abilities develop during the year, they are assigned more patient responsibilities—such as doing H&P's and assisting with births and surgery.

Second year students are assigned to preceptors outside the Duluth-Superior area for a three-day period three times during the academic year.

These extended clinical experiences give the student firsthand exposure to the life style of the rural and small community family physician. Some of the students live with their preceptors; others spend the nights in the community's hospital. They learn what it's like to get calls in the evening or to respond to a late hour emergency.

In addition to their teaching involvement, the community physicians also serve on several medical school committees, especially the Admissions Committee, the Faculty Advisory Committee, the Grievance Committee, and many ad hoc committees.



Photo by Ken Moran

The medical school recently received \$1,000 from the Minnesota Dermatological Society to purchase learning resource materials to support the dermatology curriculum. Dr. John Schmid, Duluth physician, presented the check for the society to G.E. Cotton, M.D., acting head of the Department of Clinical Sciences.



Dr. Robert Carter

From Medicine to Mexico

Robert Carter, professor of Medical Microbiology and Immunology, pediatrician and founding dean of the School of Medicine, will retire in July to become Robert Carter, rancher and artist.

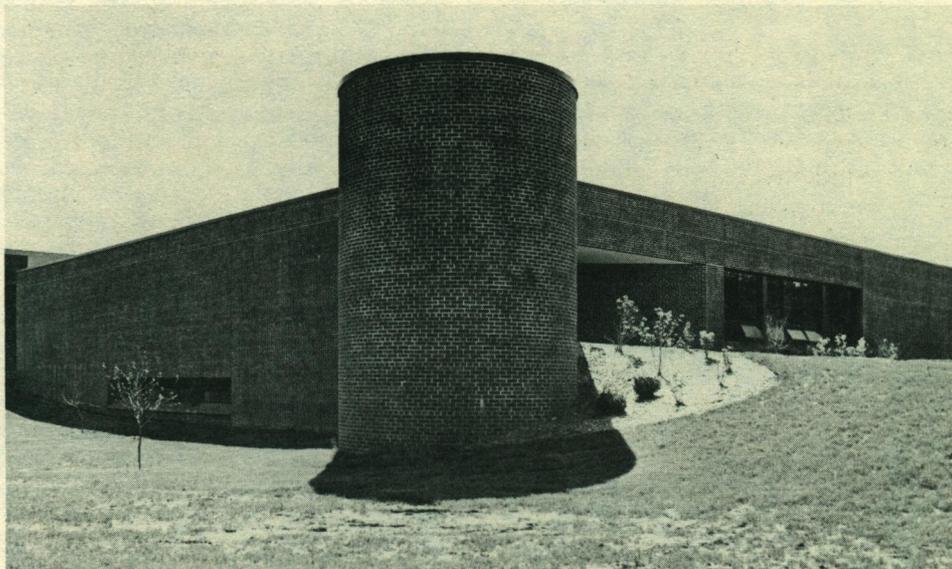
"My plan has always been to retire from medicine at mid-age," Carter said. "I've accomplished my goals in medical research, teaching and clinical practice."

His new life will revolve around his ranch in Corrales, New Mexico, where he and his wife, Lota, are building a home. Summers will be spent in Minnesota and Wisconsin.

Mrs. Carter is president of a family business—the La Santeria Corporation, an organization to restore and replicate a native art form of the southwest United States and Mexico.

Art of the early southwest was influenced by the church, and small wooden statues of the saints, "santos" were predominant. Later, the saints were painted on flat pieces of wood or tin, called "retablos." The Carters plan to replicate the "santos" and "retablos."

Eventually, they hope to distribute the art to the east and west coasts as decorator items, but they may just enjoy the ranch instead.



The new Health Science Library combines light, space and comfort with many new volumes of journals and books—including 50,000 that had been in storage.

The library staff has also grown:

Laurel Haycock - reference
Diane Carroll - circulation
Deborah Schultz - cataloguer
Betty Stoneman - acquisitions
Jody Johnson - serials
Anne Hovde - MINITEX
Omega Powe - cataloguing assistant
Collette DeChantal - serials assistant

SUMMER HOURS

Monday-Friday	8:00-5:00
Saturday	Closed
Sunday	Closed



Laurel Haycock



Photos by Ken Moran



Diane Carroll

Two shades of Gray



Rugby player Gray concentrates on making a goal.

Take the case of John Gray.

By day, he's a quiet, concerned, compassionate medical student. At night, he kicks, shoves, tackles and runs around kicking a "pregnant" football.

Split personality? No, a rugby player.

Gray, a second year medical student, is captain of the Duluth Rugby Football Club. His team took first place in the Minnesota Rugby Union state tournament May 6-7 in Duluth.

Rugby, a combination of soccer and football, is the "world's roughest sport, but also the most fun," Gray said.

It is played between two teams of 15 players in two 40-minute halves of continuous action. There is no substitution of players—not even for injuries.

Since only one referee controls the action, the players abide by the rules using gentlemanly conduct. Gray said the game has been described as a "gentleman's sport played by ruffians."

Gray has been playing rugby for five years—three years as a student at St. John's University and two years in Duluth. He will play for the St. Paul "Pigs" when he transfers to the Twin Cities this summer.



Dirk Boysen

Boysen honored

Dirk Boysen, second year student, received the outstanding student award in pharmacology for 1977-78.

The award is presented to a second year medical student in recognition of outstanding performance in pharmacology, according to Dr. Richard Eisenberg, acting head of the Department of Pharmacology.

Boysen received a gift from the department and his name will be added to a plaque in the pharmacology department office.

Previous winners are Steve Ayres, Douglas Thompson, Dave Swartwood and Christine Terrell.

The University of Minnesota adheres to the principle that all persons shall have equal opportunity and access to its educational facilities, activities, and employment without regard to race, creed, sex, age, or national origin.

THE SCHOOL OF MEDICINE
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ADDRESS CORRECTION REQUESTED

The *Conspectus* is a periodic publication of the University of Minnesota, Duluth, School of Medicine, to provide news and information about the School of Medicine. Comments and contributions are welcome. Please address all correspondence to Lynn Furlong, Editor, *Conspectus*, School of Medicine, University of Minnesota-Duluth, 2205 E. 5th Street, Duluth, MN 55812.

Faculty Corner

• **John Gueriguian** presented two papers at the Federation of American Societies for Experimental Biology in April in Atlantic City, N.J.

—“Determination of albumin in human cerebrospinal fluid by a novel micromethod” (with G.E. Cotton)

—“Non-covalent interactions between proteins and very hydrophobic ligands as studied by solid-liquid partition” (with Dirk Boysen)

• **John Gueriguian** presented a session on poisons at the Hazardous Materials Safety Seminar sponsored by UMD's Department of Industrial and Technical Studies, May 18.

• **James Boulger** presented a paper to the Central Regional Group for Medical Education of the AAMC May 4 in Indianapolis on “The use of the National Board Examination in the evaluation of medical students.”

• **Mary Zimmerman** presented a paper at the National Conference on High Blood Pressure Control April 2-5 in Los Angeles on “Employment status and hypertension in women.”

• **James Boulger** presented a paper at the Society of Teachers in Family Medicine May 7 in San Diego on, “Family practice education in pre-clinical years.”

• **Larry Wittmers** spoke to the Duluth Diabetes Association May 24 on “The obese mouse—A model for human diabetes?”

• **Paul Anderson** has received a \$30,261 grant from the National Institute of General Medical Sciences to study “Cyanate: Reaction with Cyanase and Aminotransferases.”

• **John Gueriguian** presented a seminar on “Non-covalent interaction between serum albumins and prostaglandins or fatty acids,” to the Pharmacology Department at the University of Minnesota-Twin Cities.

• **Louise Hawley, Richard Ziegler** and **Omelan Lukasewycz** attended the American Society for Microbiology in Las Vegas, May 14-18.

—M. Hartmann and R. Ziegler presented a paper entitled, “Relative ability of immunological defense mechanisms to inhibit herpes simplex virus replication in rat dorsal root ganglia cultures.”

—O. Lukasewycz chaired the session on “Cytotoxicity.”

• **Omelan Lukasewycz** has received a \$2800 American Cancer Society Institutional Research Grant for a project entitled, “Characterization of the effector T cell subpopulation in leukemia immunity.”

PUBLICATIONS:

Knych, Edward and Richard Eisenberg. “Amphetamine-induced stress response: The effect of serotonergic and adrenergic blocking agents,” *Proceedings of the 60th Annual Meetings of the Endocrine Society*, June 14-18, 1978.

Anderson, Paul M. “Hydrolysis of cyanate catalyzed by guinea pig and rat tissue extracts,” *Biochemical and Biophysical Research Communications*, 79: 1255-1260 (1977).

Zimmerman, Mary. *Passage Through Abortion* (NY: Praeger, 1977).

Frelinger, J.A., O.A. Lukasewycz, S.W. Hill and F. Hibbler, “Ia antigens on T and B lymphocyte subpopulations,” in McDevitt, Hugh O. (ed), *Ir Genes and Ia Antigens* (NY: Academic Press, 1978).

Haycock, Laurel, Diane Carroll and Faye Krasner, “Medical record administrators and management of the rural hospital library,” *Bulletin of the Medical Library Association*, 66(1):61-63 (Jan., 1978).

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