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MEDICAL BULLETIN

UNIVERSITY OF *Minnesota*



in this issue

- THE CLASS OF 1944
- MORQUIO'S DISEASE
- DRUG TOXICITY
- THE BRAIN AND DRUGS

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C O N T E N T S

ALUMNI SURVEY

The Class of 1944 202

STAFF MEETING REPORTS

*Morquio's Disease—A Re-Evaluation of
Diagnostic Criteria*

LEONARD O. LANGER, JR., M.D. 235

Some Ocular Manifestations of Drug Toxicity

WILLIAM H. KNOBLOCH, M.D., LUIS TREDICI, M.D.,
and W. S. McCLANAHAN, M.D. 237

Exploring the Brain with Drugs

AMEDEO S. MARRAZZI, M.D. 239

MEDICAL SCHOOL NEWS 241

ALUMNI DEATHS 242

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Alumni Survey



THE CLASS OF 1944

Although the Class of 1944 has produced 42 medical teachers, including the present Dean of the Medical School, its notable characteristic is the size of its members' families. These wartime graduates reported an average of 3.7 children per family, far above the national average, and additional evidence of the reported "war baby boom." Three members alone are the parents of a total of 35 children, including one splendid family of 13.

General practice is the field of 31 members, again the leading individual type of practice. Four of the 136 classmates are deceased. Class interests range from Atoms-for-Peace work to smalltown practice. The unusual avocations of harpsichord building and raising of race horses were reported.

The Editors juggled the alphabet to put Phil Pallister at the head of the class report. His warm commentary is testimony to a most successful and rewarding combination of career and family life.

Philip D. Pallister has practiced general medicine for 17 years in Boulder, Mont. He presides over a glorious circle of 13 children, largest family on record among all 6,000 alumni of the Medical School. (See photo).

Phil's mountainside home doubles as an office and includes two large living rooms and fireplaces, seven bedrooms (one a fallout shelter), four bathrooms and, he remarks, "serves as a community center for all the young people." Phil is interested in genetics, retardation and epilepsy and performs considerable surgery. His practice includes clinical directorship of the Montana State Training School and Hospital for 912 retarded. A Fellow of the American Association on Mental Deficiency, he won its Aesculapius award for research in genetic abnormalities and amino acid and sugar disorders. Phil has been president of the Montana chapter of the AACP, president of the county medical society, and chief of staff at St. Peter's Hospital in Helena.



DR. AND MRS. PHIL PALLISTER AND THEIR FAMILY

Phil's wife is Blanche (Willie) DeMille of Rochester, Minn. Besides being a busy mother of 12 boys and one girl, she is an "excellent hunter, avid reader ("We don't own a TV set"), accomplished swimmer and Red Cross swimming instructor, runs a Red Cross blood program, and does volunteer work at the State Training School," according to her husband.

The Pallister children are an athletic and highly individualistic group, and all share a love for the mountains and wilderness activities. Jeff, age 20 and the oldest, is a junior in wildlife biology at Montana State College. He is a "crack hunter, fisherman, trapper, and basketball player."

Greg is 19, a sophomore in wildlife biology at Montana State and is also a "competent outdoorsman and basketball player." Steve, 17, "carries on the male basketball tradition and loves mathematics, abstract reasoning, and cattle ranching." Rick, 16, "plays high school basketball and will be a doctor someday."

Andrea (Andy) is 13, and the sole girl and must compete with a dozen brothers. "She is a lovely young 8th grader, plays the piano and clarinet and is a good student, as well as a great help to her mother. She is not a tomboy . . . gave up hunting after killing an antelope a year ago."

Chris, 12, "small and vigorous, is keenly interested in plants and animals, cares for the family greenhouse, raises pigeons, and

shot his first deer in 1964." Jon, 11, a 6th grader, "is larger than his next older brother and promises to be a good athlete." He also takes violin lessons.

Jay is nine and the "student" of the family. He plays junior basketball and rises at 5:30-6:00 a.m., usually to play with the baby. Josh is a blue-eyed eight-year-old and prefers baseball. "He is completely ambidextrous and already a good switch hitter." Zack, at six, "is a first grader with a large voice and good grades." Adam B. (Ad) is five. Of him, Phil writes, "He is our other blue-eyed son and almost did not survive infancy. He probably had hypercalcemia from Vitamin D sensitivity. Ad attends the nursery school for the retarded at Montana State Training School. A very husky boy, he is a joy to us all and his increasing abilities are viewed with pride by the entire family."

Luke Star, a 2½-year-old Cheyenne-Mexican boy, was adopted as an infant. "A very alert little boy, he was named Star after a hero chief of the Northern Cheyennes." Seth Hawk, the youngest at 4½ months, is also adopted. "He is partly colored, and was named Seth Hawk by his brothers and sister. They hoped his name would make him love the wilderness as they do."

Phil's remarkable family fills its days with enviable richness: "Living in the mountains, the older boys and Willie and I have taken moose, deer, elk, bear and other wild animals, and trapped beaver, bobcats, mink and muskrats. The house is full of bobcat, goat and bear rugs, along with animal heads and horns. When the younger boys reach 12, they receive their own rifle and have had a good apprenticeship. We fish for every kind of trout known and know Western Montana from Eureka to Red Rock Lakes. Our visitors include families of owls, bobcats, Canadian geese, and other wildlife. We also have three dogs, Rufus, Cider and Sam."

He continues, "We keep a large garden and our 100 fruit trees are now beginning to bear. Inside the house a pool table, ping-pong table and hi-fi, are kept busy. The other family game is chess and we enjoy a large, varied and growing library."

The size of the Pallister family is matched only by its obvious spirit.

Robert W. Aanestad has practiced general medicine in San Francisco, Calif. for 17 years, and is chief of the general practice section of Franklin Hospital. He served in the Army and is still an active reservist. Bob's wife is the former June Dahl of Minneapolis and their seven children range in age from four

to 19. Their address is 945 Darien Way, San Francisco. Bob enjoys golf, canoeing in the Ontario "bush country" and church work.

Curtis F. Ahrens* has been in group radiology practice in Duluth, Minn. for 13 years. Curt took his training at the University of Texas, Galveston. He served in the Navy during both World War II and the Korean War, and married Jane E. Thomas of St. Croix Falls, Wis. The Ahrens have three children, Tom, 18; Mary, 17; and Susan, 16. The family lives at 1934 Hartley Road in Duluth.

Donald S. Amatuzio* shares an internal medicine practice in Minneapolis with Frank Martin (Med. '43), and Ralph Silas. Don received his M.S. degree from the University in 1950 and is a consultant at the Minneapolis VA Hospital. He saw naval duty in the South Pacific and with the Marines in Korea. Don married Verda Barry of South Dakota and their children are Janis, 13; Barry, 10; and Patricia, 6. They live at 4141 Coffman Lane in Minneapolis.

Frederick K. Amerongen* is a neurosurgeon in North Hollywood, Calif., where he has practiced eight years. He is also a neurological consultant at Olive View Hospital. Fred is a diplomate of the American Board of Neurological Surgery and the American College of Surgeons, as well as a member of the Harvey Cushing Society. He was a captain in the Air Transport Command, and his wife is Peggy Jorgenson of Los Angeles. Their family includes Fred, Jr., 24, who is married and attends school in Fresno; Susan, 20, a student at USC and 1964 Sweetheart of Sigma Chi; Lisa, 9; and Billy, 7. The Amerongens live at 10153 Valley Spring Lane in North Hollywood. Fred writes, "My hobbies are fishing, hunting, and golf. We recently acquired a 30-foot bus in which we plan to do extensive traveling with the children."

Chester A. Anderson* is in a general medicine partnership in Hector, Minn., where he has practiced 16 years. He was discharged as a captain after two years' Army service. His wife is Lorraine Von Wald of Kenyon, Minn. The family also includes Linda, 18; Pauline, 15; Julie, 11; and Carolyn, 7.

Donald C. Anderson is deceased.

Werner W. Anderson has been in solo general practice in Brainerd, Minn. for 17 years. He was a medical officer in the Army Transportation Corps. His wife, June Johnson, was born

*Member, Minnesota Medical Foundation

in China. They have eight children: Kristi, 19 and Sheryl, 17, both college students; Thomas, 16; Sara, 14; Steven, 11; Mark, 10; Kim, 8; and Joel, 6. The family lives on Rt. 7, Gull Lake, near Brainerd. Werner's hobby is flying.

S. Steven Barron[°] is a pathologist with a three-man reference laboratory group in Chicago, Ill., and also is pathologist for Grant Hospital. Before moving to Chicago last year, Steve was a pathologist at Mount Sinai Hospital in Minneapolis and had been an instructor at the Medical School for 12 years. He took his training at the Medical School under a pathology fellowship and received additional training there in clinical pathology. He served in the Navy during 1954-56, and married Lynn Keidan of Madison, Wis. Their family includes Richard, 10; James, 8; Gayle, 6; and Patricia, 4. The Barrons live at 161 Harbor St. in Glencoe, Ill. Steven enjoys sculpture, photography and gardening.

Ellis S. Benson[°] has been Director of Clinical Laboratories and Professor of Laboratory Medicine and Biochemistry at the Medical School for five years, and has been on the Minnesota faculty 15 years. His Army service was spent in Massachusetts and Germany. His wife is the former Carol Ann Branstetter of Worthington, O., and their three children are Carol, 16; John, 14; and Faith, 10. They make their home in St. Paul at 2308 Commonwealth Ave.

William Bernstein[°] practices psychiatry and neurology in Fresno, Calif. His address is 404 W. McKinley Ave.

Gerald E. Bourget[°] has practiced general medicine with the Hudson Clinic in Hudson, Wis. since 1950. He served in the Army and married the former Mary Keefe of St. Paul. The Bourgets have five children, ranging in age from four to 17 years. They live at 903 3rd St. in Hudson.

Bruce Boynton[°] is in general practice with a seven-man group in Naples, Fla. He moved there in 1958 and has been a GP since completing Navy service in 1946. His wife is Sylvia Finseth of Rochester, Minn. They have eight children: Bruce, III, 19 and Stanley, 18, both students at Carleton College; Sylvia, 16; Betsy, 13; Mary, 12; Kathleen, 8; Douglas, 6; and Kenneth, 4. The Boyntons live at 595 Third St. N. in Naples. Bruce's hobby is flying.

Robert G. B. Bjornson[°] is a radiologist at the Minneapolis V.A. Hospital. His home address is 480 Grand Ave., St. Paul.

[°]Member, Minnesota Medical Foundation



E. C. BURKE



BRUCE BOYNTON



ELLIS S. BENSON

Leonard A. Brotchner practices internal medicine and cardiology alone in Inglewood, Calif. He teaches at U.C.L.A. and each summer at Harbor General Hospital in Torrance, where he took his residency. He served in the Army and married Marjorie Rosen of Bismarck, N.D. Their family includes Charles, 19; Ellen, 15; and Carole, 12. They live at 5511 Sherbourne Dr. in Los Angeles. Len writes, "I enjoy my practice when I can manage the patients and prevent them from diagnosing their own cases and dictating their treatment." In his spare time he enjoys stamp and coin collecting, the arts, and travel.

Edmund C. Burke is a consultant in pediatrics and associate professor in the Mayo Graduate School of Medicine in Rochester, Minn. Ed has been at the Mayo Clinic for 17 years. He received his M.S. in pediatrics at the Medical School, and his subspecialty is pediatric nephrology. Ed spent 1946/48 in the Army, and is married to Beatrice Beeman of Red Wing, Minn. Their family of nine includes Barbara, 18; Edmund, Jr., 17; Timothy, 15; James, 13; Kathleen, 12; Patricia, 7; Thomas, 6; Margaret, 5; and Mary, 3½. The Burkes live at 1104 8th Ave., S.W. in Rochester. Ed likes sports cars; plays the five-string banjo; and has been studying the Russian language for four years.

Richard O. Burmeister* spent ten years in general practice before turning to anesthesiology in 1957. He was Board Certified in 1961. Dick is in partnership with H. Laurence Schochet (Med. '58) in St. Paul. He has been head of anesthesiology at Midway Hospital for seven years, and is married to an R.N., Evelyn Wohlstein of Schenectady, N.Y. The Burmeister family includes Richard, Jr., 19; Susan, 17; Margaret, 16; Barbara, 13; Karen, 12; Andrea, 9; and Heidi, 8. Richard, Jr. is in his second

*Member, Minnesota Medical Foundation



CRAIG BURNS



LEE CHRISTOFERSON



JOHN COE

year of pre-med at the University. The Burmeisters live at 1719 Summit Ave. in St. Paul.

Craig Burns has practiced general medicine "in the area of Lassen Volcanic National Park, California," for seven years. He combines home and office on the shore of Lake Almanor in the Sierra Nevada Mountains. Craig studied a year at Edinburgh University in Scotland and earned an M.P.H. degree from the University of California. He also practiced three years in the Andes Mountains of Peru and served in the Army Medical Corps. He and his wife, Eleanor, are the parents of Lark, 19; Dana, 18; Darwin, 16; and Delius, 15. One son is attending high school this year in Mainz, Germany. The Burns' address is Rt. 1, Box 760, Westwood, Lassen Co., Calif. 96137. Craig writes, "My practice doesn't involve even one stop and go signal! Plenty of parking space—scenic drives on each home call. I am a collector and binder of rare books. Two years ago the entire family spent three months cycling through Britain.

Lee A. Christoferson^{*} practices neurosurgery and is associated with the Neuropsychiatric Institute in Fargo, N.D. He is also an associate professor at the University of North Dakota Medical School. Lee received his training at the Mayo Foundation, served in the Army, and married Nancy Nelson of Williston, N.D. Their family includes Karen, 20; Lee, Jr., 18; Nelson, 14; Jean, 13; Joel, 10; and Nancy, 7. They live at 1308 S. 6th St. in Fargo. Lee writes that his interests are farming, real estate, hunting, fishing, quarter horses, and Golden Retriever dogs. He is speaker of the House of Delegates of the N.D. State Medical Association, and active in many other medical organizations.

^{*}Member, Minnesota Medical Foundation

John I. Coe^o is chief of pathology at the Hennepin County General Hospital, and also became Medical Examiner for Hennepin County on January 1, 1964. The field of forensic pathology is his special interest. John is an associate professor in the Department of Pathology at the Medical School, where he completed his own residency. He is a diplomate of both Anatomic and Forensic Pathology. His wife is Myrtle P. Hodgkins of Providence, R.I., and they live at 6524 Normandale Rd. in Minneapolis. John writes, "My only recent award was first place honors for excellence in medical writing from *Minnesota Medicine* in 1964." His hobbies are water color painting and collecting.

Richard L. Cole has spent the last six years in solo internal medicine practice in Bozeman, Mont. He is a consultant at the Bozeman VA Hospital, and served in the Army 1945/47. He married Audrey Hungerford of Minneapolis and their children are Richard, Jr., 15; David, 14; James, 13; Stephen, 11; twins Gerald and Theresa, 10; and William, 4. The Coles live at 1602 S. Willson in Bozeman. Dick sent a photo and comments: "We have four excellent skiers in the family, three fair skiers and two poor ones (the little fellow and myself)."

David D. Daly is chairman of the division of neurology at the Barrow Neurological Institute in Phoenix, Ariz., and lecturer



A FAMILY ON SKIS—THE RICHARD COLES

^oMember, Minnesota Medical Foundation

in psychology at Arizona State University. He earned his Ph.D. from the University of Minnesota in 1951 and is active in many state and national medical organizations. Dave spent a period in the Air Force and married Harriet Lamberg of Virginia, Minn. Their children are Mike, 17; Karen, 15; Sandra, 11; and Mara, 8, all at home at 6740 Silver Mountain Rd. in Phoenix.

Alice Darling Jorgens has temporarily retired from practice to raise her family of six children, who range in age from three to 15 years. She is the wife of Joseph Jorgens (Med. '43), a radiologist and associate professor at the Minneapolis V.A. Hospital. They live at 176 Taylor, Fort Snelling, St. Paul, Minn.

Margaret Dowell Gravatt^o has recently settled in State College, Pa., where her husband Arthur, a Ph.D., is an associate professor in the Department of Child Development at Pennsylvania State University. Margaret writes that she is planning to get a Pennsylvania license and hopes to practice in a state job. She had previously been a pediatrician at a state institution for the mentally retarded in Oregon; was in private practice; and spent four years as a medical consultant for the State of Oregon with the Department of Vocational Rehabilitation. The Gravatts live at 307 South Corl St., Apt. 5 in State College.

Walter P. Eder has been part of a four-man general surgery practice in Minneapolis for ten years. He is a Fellow of the American College of Surgeons and took his training at Minneapolis General Hospital. Walt's military service was spent with the Army in Germany. His wife is Dorothy Schmid of Balaton, Minn. Their children are Sheryl Eder Miller, 23; Paulette, 22; Phillip, 20; Robert, 15; and Cathy, 13. Paulette attends the University and Phillip is at Kalamazoo College in Kalamazoo, Mich. Walt enjoys fishing and travel. Home for the Eders is 2400 France Ave. So. in Minneapolis.

Laurence F. Erickson practices pediatrics with Medical School graduates S. L. Arey (Med. '31), W. M. Mulholland (Med. '44), and R. L. Wilder (Med. '24) in Minneapolis. He teaches at the Medical School, where he also took his residency. He served in the Navy in World War II and in Korea, and married Betty Bertie of Minneapolis. Their children are John, 19; David, 16; and Mary Ellen, 13. They live at 5117 Harriet Ave., Minneapolis.

Robert Evert^o practices urology with Francis Roach (Med. '43) in Stockton, Calif. He went to California in 1955 after four

^oMember, Minnesota Medical Foundation

years in practice in Tacoma, Wash. Bob's residency was at Minnesota and he served in the Army. Married to Doreen Neilun, a graduate of the University, his children are Terry, 13; Martha, 11; and James, 9. Home is at 1006 Cameron Way in Stockton. Bob enjoys skiing, golf and tennis. He comments, "I play golf two or three times a year with my classmate Bob Aanestad. The series is now about even!"

Reynold P. Flom* practices psychiatry and neurology in St. Paul. His address is 25 W. 4th St.

Louis L. Flynn, Jr. practices psychiatry alone in St. Paul and is an assistant clinical professor in the Department of Psychiatry at the Medical School. Lou served in the Armed Forces and married Catherine Coughlan of Mankato, Minn. They have a family of eleven: Louis, III, 19; Mary, 18; Catherine, 17; Patrick, 16; Kevin, 15; Brigid, 14; Thomas, 13; John, 12; Sarah, 10; Dan, 8; and Therese, 5. The Flynn's live at 1753 Summit Ave. in St. Paul.

Arthur L. Forsgren has practiced internal medicine 15 years at the Grants Pass, Ore. Clinic. He served in the Navy from 1944/46 and again from 1952/54. His wife is Marjorie Gibson of International Falls, Minn., and their family includes Barbara, 19; Arthur, Jr., 17; John, 14; and Beth, 9. The Forsgrens make their home at 726 W. Bellevue Pl. in Grants Pass.

Quincy E. Fortier has been in solo obstetrics and gynecology practice in Las Vegas, Nev. for 13 years. He served in the Air Force and is still an active reservist at Nellis AFB with the rank of Lt. Col. Quincy's wife is Louis Gains and their children are Connie, 17; Renee, 15; Kathleen, 14; Annette, 12; Quincy Peter, 11; and Dana Paul, 9. The family lives at 4270 Maryland Parkway in Las Vegas. Quincy and a colleague built and now operate an obstetrical and gynecological hospital in Las Vegas. He writes, "My wife Rusty is president of the Las Vegas Campfire Girls, from which I received the Gullick Award for my activities over the past years as physician for the organization. I plan to retire from active practice in the next three years to devote my time to family and research."

George L. Garske* has been in private urology practice in Minneapolis for 15 years. He took his residency at St. Mary's and Minneapolis General Hospitals, and now teaches at the Medical School and VA Hospital. George's military service was spent in the Navy in 1944/46 and 1952/54. The Garske family

*Member, Minnesota Medical Foundation



LEO J. GEHRIG



ROBERT GUTHRIE

includes his wife Beth Enger, a 1942 graduate of the University, and children Beth, 20; Gretchen, 16; Peter, 15; and Paul, 13. They live at 17835 4th Ave. N. in Wayzata. George likes sailing, golf and skiing.

Leo J. Gehrig is assistant surgeon general and chief of the Bureau of Medical Services with the U.S.P.H.S. in Washington, D.C. Before joining the service in 1945, he practiced general and chest surgery in Alaska, Boston, New York City and Seattle, and now teaches at George Washington University. Leo married Marillyn Nelson of Stillwater, Minn. and they have two boys, Gregory, 17; and Mark, 11. Their address is 4535 Alton Pl. N.W. in Washington. Leo writes, "I have had the opportunity to travel all over the world as the first medical director of the U.S. Peace Corps, in work with the World Health Organization, and in connection with the overseas program operations of the Bureau of Medical Services."

John N. Giebenhain has practiced general medicine for 20 years with the North Clinic in Minneapolis, with time out for Army service. One of his partners is Frederick Hass, a classmate. His wife is the former Betty Ruff of Minneapolis. They have four children, Mary, 19; Cathy, 15; John, 12; and Jean, 9, and live at 245 N. Meadow Lane in Minneapolis.

John S. Gillam^{*} practices obstetrics and gynecology at the Fargo Clinic in Fargo, N.D. He took his training at the Medical School where he is also a clinical assistant professor. John served in the Army Medical Corps and married Mary White of Minneapolis. Their family includes Susan, 20; Douglas, 16; Stephen, 12; and Nancy, 11. They live at 1433 S. 7th St. in Fargo. John

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THE MEDICAL BULLETIN

writes, "I have a very happy life and practice in an area full of opportunities for outdoor hobbies."

Louis Gillman has practiced dermatology in Middletown, N.Y. for 13 years. His residency was taken at the N.Y. Skin and Cancer Unit and the Minneapolis VA Hospital. He served with the Army during 1945/47. Louis' wife is the former Edith Londer of Minneapolis and their children are Diane, 18, who attends the University of Rochester; son Leigh, 15; daughter Cherni, 13; and Jon, 10. The Gillmans live at 131 Highland Ave. in Middletown. Louis writes, "I have a satisfying career in a city of 25,000, 90 minutes from New York City, and devote a considerable amount of time to our local synagogue and religious school."

Donald F. Gleason is a pathologist and has been chief of laboratory service at the Minneapolis VA Hospital for 14 years. He teaches at the Medical School, and served twice in the Army Medical Corps. Don's wife is Nancy Breitung of Baltimore, Md. Their children are Donna, 10; Sue, 5; and Virginia, 2. The family lives at Qtrs. 14n, V.A. Hospital, Minneapolis. Don plans to stay in V.A. medicine. He likes sailboating and skiing.

Robert W. Goltz combines a private practice in dermatology in Minneapolis with teaching and research at the Medical School. He took his residency at Minneapolis General Hospital and the Medical School. A recently acquired partner in practice is Kenneth P. Manick (Med. '60). Bob served in the Armed Forces, and lives with his wife, Patricia Sweeney of Minneapolis, and



LOUIS GILLMAN (RIGHT) AND FAMILY

their two children, Leni, 16; and Paul, 12, at 4601 Sunnyside Rd., Minneapolis 24.

Glenn Gullickson, Jr.* is associate professor in the Department of Physical Medicine and Rehabilitation at the Medical School and director of the University Hospitals Rehabilitation Center. He received his Ph.D. from the University of Minnesota, and has been on the medical faculty 14 years. Glenn served in the Navy. His wife, Glenna, is from Alexandria, Minn. They have a daughter, Mary, 5, and live at 217 Holly Road in Hopkins. Glenn's hobbies are hunting and gardening.

Robert Guthrie* is a resident associate professor of pediatrics at Children's Hospital, SUNY, Buffalo, N.Y. He received his Ph.D. in bacteriology from the University of Minnesota. His military service was spent with U.S.P.H.S. and he married Margaret Flagstad of Minneapolis. The Guthrie children are Tom, 19; John, 17; Anne, 15; Barbara, 13; James, 8; and Patricia, 6. Bob writes, "I spent ten years in research in microbial biochemical genetics at N.I.H., Sloan-Kettering, and Roswell Park. For the past six years I have been engaged in research in human biochemical genetics as related to mental retardation." The Guthries live at 76 Academy St. in Williamsville, N.Y.

Erick Y. Hakanson* was recently appointed head of the Department of Obstetrics and Gynecology at Ancker Hospital in St. Paul, a teaching affiliation with the Medical School. He spent six years in the Navy and Marines. Erick received his M.S. in physiological chemistry at the Medical School and studied 18 months at the Karolinska Institute in Stockholm, Sweden. His wife, Karin, is a native of Sweden. The Hakansons have four children, Sten, 13; Nina, 12; Lisa, 11; and Karl, 7, and live at 950 Lincoln Ave. in St. Paul.

Thomas Hall is a pediatrician in San Francisco, Calif. His address is 2425 Geary St.

James F. Hammarsten* has been chief of medicine at Ancker Hospital in St. Paul for two years, and Professor of Medicine at the Medical School. Prior to this he was a professor at the University of Oklahoma. He served both in the Army and the Air Force, and is active in medical organizations. He married Dorothea M. Jung of Wadena, Minn., and their family includes Linnea, 18; James E., 17; and Richard, 14. Their home is 3021 Fairview Ave. in St. Paul.

*Member, Minnesota Medical Foundation

Mark C. L. Hanson^o is with a three-man internal medicine group in Minneapolis, an association of 14 years. He took his residency at the Minneapolis V.A. Hospital and at the Medical School where he is a clinical associate professor. Mark served in the Army, and was recently elected a Fellow of the American College of Physicians. He has three girls, Barbara, 20; Gail, 19; and Merodie, 16. He lives at 1901 Emerson Ave. So., Apt. 108, in Minneapolis.

Mortimer Hartman is a radiologist in Venice, Calif.

Seymour A. Hartman^o has practiced internal medicine alone for 15 years in Sherman Oaks, Calif., and taught at U.S.C. for ten years. He also spent a period in the military. Seymour married Colleen Doyle of Pensacola, Fla., and the family includes Jill, 17; Gail, 15; Daryl, 13; Robert, 11; Colleen, 10; and Amy, 8. The Hartmans live on a ranch and have five horses. All the family are riding enthusiasts. Their address is 5747 N. Jed Smith Rd., Hidden Hills, Calif.

George W. Haugen^o has been in solo practice in Minneapolis for 17 years. He served in the Navy both in 1945/46 and 1953/54. He and his wife, Lucille, are parents of Theresa, 16; Steven, 15; Peter, 13; and Jennifer, 9. They live at 5504 Girard Ave. N. in Minneapolis.

Elizabeth Hauser^o has spent 15 years in solo OB-GYN practice in Seattle, Wash. She took a three-year residency at the University of Chicago, and likes painting, playing the mandolin and salmon fishing "when I can get away for a day or so." Her home is 2012 43rd Ave. E. in Seattle.



JAMES HAMMERSTEN



SEYMOUR HARTMAN

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THE MEDICAL BULLETIN



FRED HASS AND FAMILY

Frederick M. Hass practices general medicine with classmate John N. Giebenhain, Marvin M. Muske (Med. '52) and Richard W. Swenson (Med. '55) in Minneapolis. Fred is chief of staff at North Memorial Hospital. He was a Captain in the Army Medical Corps and stationed in Japan. His wife is Charlotte Carlson of Minneapolis and their family includes Fred, Jr., 19, a sophomore in pre-med at the University; Marilyn, 16; Carol, 14; John, 11; and James, 9. "The family enjoys skiing and the men go hunting," announces Fred. They live at 209 Parkview Terr., Minneapolis.

George V. Hering has practiced general medicine for 18 years in Denmark, Wis. He saw naval duty in 1944/46, and in 1953/55, and married Polly Trost of Warren, Minn., a U. of M. graduate. They have three boys, Robin, 18; John, 17; and Gene, 15. George enjoys hunting, skiing, and raising pointing dogs and race horses. The family home is at 255 Huth St., Green Bay, Wis.

Maurice Heusinkveld is a medical missionary in the Middle East. He married Eleanor Gran of St. Paul, an R.N. Their next leave is scheduled for 1966. The Heusinkvelds mailing address is Box 1, Bahrain, Arabian Gulf.

Claude R. Hitchcock* is chief of surgery at Hennepin County General Hospital and a professor at the Medical School. He took his residency and received his Ph.D. in surgery at Minnesota in 1954. His service in the Army Medical Corps was spent in the

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THE MEDICAL BULLETIN

Pacific. Claude directs the surgery training program at H.C.G.H., and is president of the Minneapolis Medical Research Foundation. His wife is Wilma Baker of Champaign, Ill., and they have two children, Jeffry, 14; and Claudia, 12. They live at 6616 Westshore Dr., Edina, Minn.

Donald E. Hoganson has been in general practice 15 years, ten of them with the Bemidji, Minn. Clinic. Don served in the Army in World War II and was recalled during the Korean War. He holds the rank of Col. (Ret.) in the Army Reserve. He is married to the former Grace Hardy of Minneapolis and they are the parents of Howard, 16; and Mike, 5. They live at 3200 Birchmont in Bemidji. Don is also Beltrami County coroner.

Robert B. Howard* is Dean of the College of Medical Sciences at the University of Minnesota. He was appointed in 1957, and was former director of Continuation Medical Education (and Editor of the MEDICAL BULLETIN) here. He received his Ph.D. in internal medicine from the University and was Board Certified in that specialty in 1951. Bob served as Captain in the Army during 1946/48. The Howards, including wife Lorraine, of St. Paul, and Gregory, 21; David, 17; Carol, 15; Irene, 9; and Bradley, 6, live at 2243 W. Hoyt in St. Paul.

James E. Jenson has "enjoyed his general practice" of 18 years at the Stillwater, Minn. Clinic. He served in the Army during 1945/47. Jim married Ruth Carlsted of Dassel, Minn. Other members of the family are Annette, 19; James, 17; Karen, 15; and Marion, 13. Jim writes, "The family enjoys camping, skiing, and the nearby St. Croix River." They live at 1317 Hillcrest in Stillwater.



CLAUDE HITCHCOCK



ROBERT HOWARD



JAMES E. JENSON

*Member, Minnesota Medical Foundation

Einar W. Johnson, Jr.^o is a consultant in orthopedic surgery at the Mayo Clinic in Rochester, where he has been since 1951. He teaches in the Mayo Graduate School of Medicine, and received his M.S. in orthopedic surgery from the Medical School in 1950. Einar was Visiting Professor at Vanderbilt Univ. in 1961 and Isaac Gutman Memorial Lecturer at Baltimore, Md. in 1964. He served in the Navy and is a Navy Reservist. Einar's wife is Nell George of Iowa Park, Tex. Their children are Lisa, 12; Jeffrey, 10; Sarah, 8; and Andrea, 6. Their address is 1001 Plummer Circle, Rochester, Minn.

Richard J. Johnson is an orthopedic surgeon with offices in the Lowry Medical Arts Bldg. in St. Paul, Minn. He teaches at Gillette and Ancker Hospitals. Dick served in the Army Medical Corps 1945/47. His wife is the former Lois R. Johnson of St. Paul. They have two girls, Nancy, 15; and Ruth, 12, and live at 1951 Kenwood Dr., St. Paul.

Robert A. Kallsen practices internal medicine in Tacoma, Wash. He has been there for ten years, following training at the Minneapolis V.A. and University Hospitals and at the Scripps Clinic in La Jolla, Calif. He served in the Navy aboard the *U.S.S. Minneapolis*. Bob's wife is Mavis Corkery of Montrose, Calif. The family includes Clare, 17; Philip, 16; Lauric, 14; Ronald, 6; and Mary Ann, 5. They live at 3011 N. 29th St. in Tacoma. Bob writes, "The family is well and reasonably happy and my practice is busy and gratifying. I plan no changes."

Bruce L. Kantar is an ophthalmologist in Minneapolis and is a clinical assistant professor at the Medical School, where he received his M.S. in 1951. Bruce served in the Army and married Sally Dolf of Minneapolis. The Kantar children are Ned, 18; John, 14; and Andrew, 12. They live at 2741 Thomas Ave. South, Minneapolis.

Karl E. Karlson^o is professor of surgery at the S.U.N.Y. Downstate Medical Center in Brooklyn, N.Y. He has taught there for 14 years, and received his Ph.D. in surgery in 1952 from the University of Minnesota. Karl served in the Navy, and is married to Gloria Anderson of Portland, Ore. Other members of the family are Karl, 12; Peter, 8; Nancy, 7; Steven, 4; and James, 2. They live in Pelham Manor, N.Y. at 970 Plymouth St.

Jay L. Kevern is in general practice with a classmate, Charles W. Lewis, in Henning, Minn., an association of 17 years. He

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THE MEDICAL BULLETIN



E. W. JOHNSON



BYRON KINKADE

served in World War II with the Navy in the Pacific, and married Alice Smith of Montevideo, Minn. Their children are Laurie, 19; Glennis, 17; Randall, 14; and Amy Jo, 5. Jay writes, "Chick and I enjoy general practice in this rural area of farms and lakes. My family activities include golfing, fishing, photography, electric trains, small town responsibilities and visiting bigger places."

Byron R. Kinkade has practiced general medicine in Ada, Minn. for 16 years. He trained in pediatrics at the Medical School and in Minot, N.D. His military service was with the Army Medical Corps and he married Mary Deisler of Ohio. Their five children are Robert, 16; Peter, 15; Jonathan, 13; Mary Louise, 11; and Polly, 8. Their address is Rt. 1 in Ada. Byron writes, "We have a beautiful new hospital and I find a small town practice both stimulating and rewarding. But there is only one doctor for every 3,000 people in this county, and we need more G.P.'s."

Albert Koskela is deceased.

Clarence Kozarek* has practiced general medicine in Tomah, Wis. for 17 years. He spent 1945/47 in the Army and married Patricia Koors of Duluth, Minn. Other members of the family are Nancy, 19; Dick, 17; Beth, 16; John, 14; Kate, 13; Robert, 10; and James, 7. The Kozarek home is at 732 Lake St. in Tomah. Clarence writes, "I enjoy living and practicing in a small city. My hobbies are growing roses, fishing and the stock market."

Isadore Kremen is an ophthalmologist in Redwood City, Calif. His home address is 1835 Newell Rd. Palo Alto.

*Member, Minnesota Medical Foundation

Thomas K. Krezowski^o has been in a group OB-GYN practice at the Lowry Medical Arts Bldg. in St. Paul for 14 years. He was a Captain in the Army Medical Corps during 1945/47. Tom's wife, Patricia, and he have four children, John, 13; Phillip, 12; Ann, 10; and Barbara, 4. Tom is chief of OB-GYN at St. Luke's Hospital in St. Paul, and is chief of the Catholic Infant Home whose confinements are at St. Joseph's Hospital. The Krezowskis live at 1910 Edgcombe Rd.

Bradley Kusske^o has been in a two-man otolaryngology practice at the Lowry Medical Arts Bldg. in St. Paul for ten years. He took his residency at the Medical School, where he now is on the faculty in otolaryngology. His military service was with the Army. He and his wife, Jean Legler of Minneapolis, have a daughter, Jan, 15. The Kusske home is 1179 Tiller Lane in St. Paul. Brad enjoys photography, golf and skiing in his leisure time.

Edward M. LaFond^o is in an orthopedics partnership in St. Cloud, Minn. He served aboard ship in the Navy Medical Corps, and married Laura Van Evera of Crosby, Minn. The LaFonds' 11 children include two sets of twins, Clare and Louise, 8; Nicolas and Charles, 6; others are Mary, 16; John, 12; Philip, 10; Collette, 5; Marcel, 4; Laurence, 2; and Elizabeth, 1. Their address is Box 218, St. Joseph, Minn. Ed is interested in the care of cerebral palsied children in central Minnesota and is currently serving on the Governor's Planning Council on Mental Retardation. The entire family enjoys music, outdoor sports and camping.

Marshall Landa has been a radiologist with the Dakota Clinic in Fargo, N.D. since 1952. His military duty was served in Stuttgart, Germany and he married Sallie Gottlieb of St. Paul. Their children are Jeffrey, 18; a freshman at the University of Colorado; and Julia, 15, a high school sophomore. The Landas live at 1720 S. 8th St. in Fargo. Marshall writes, "I enjoyed bridge until my wife became a better player than me. I still play golf whenever I can. We plan a trip to Europe this summer."

Paul Larson has practiced internal medicine for 14 years in Sacramento, Calif. He took his residency at the Cleveland V.A. Hospital and spent a period in the Army. Paul's wife is the former Margaret Smith of Montevideo, Minn., and their children are Rick, 20; Tom, 18; Jane, 13; and Jim, 10. They live at

^oMember, Minnesota Medical Foundation

690 Mills Rd. in Sacramento. Paul says the family spends a lot of recreation time in the nearby Sierra mountains.

F. Douglas Lawrason is executive director for medical research at the Merck, Sharp & Dohme Research Laboratories in West Point, Pa. He took the post in 1961 after teaching at Yale, the University of North Carolina and, most recently the University of Arkansas where he was Dean-Provost of the University and Professor of Medicine. His specialty is internal medicine and hematology. He received his M.A. at the University of Minnesota Medical School. Doug is married to Elaine Jean Wilson of St. Paul. Their children are Peter, 17; Jock, 15; and Susan, 13. He writes, "After several moves in academic medicine, I have finally settled down in an exciting career in medical research. Sorry I don't have a photograph—I'm usually at the other end of the lens." The Lawrasons live at 233 Windsor Lane in Haverford, Pa.

Wayne E. LeBien practices pediatrics with the Fargo, N.D. Clinic, where he has been associated for 15 years. He is consultant for the N.D. Crippled Children Services, and attending physician at the Lutheran Welfare Baby Clinic. Wayne was stationed with the Army in the Far East, and married Evelyn M. Mathison of Madison, S.D. They have two children, Tucker, 16; and Bruce, 13. Wayne writes, "I have a busy practice with four hospital affiliations. We have some horses and the family rides a lot. I do some farming and big game hunting with bow or rifle. I am also collecting a library on the history of the early Dakota territory." The LeBienes live at 75 Woodland Dr. in Fargo.



CHARLES LEWIS

Norman J. Lee practices general medicine with the Workman-Lee Clinic in Tracy, Minn. He spent three years in the service and has practiced 12 years in his present location. He and his wife, Mary Ellen Fawcett of Minneapolis, have five children, Thomas, 18; Martha, 16; Sara, 12; Jennifer, 11; and Andrew, 6. Norm lists his hobbies as music and stamp collecting. He just completed building his own harpsichord.

Charles W. Lewis has been in general medicine partnership with classmate Jay Kevern in Henning, Minn. since 1946. He served in the Navy during World War II, and with the Marines in 1953/55. Chick

married Shirley Podas (School of Nursing '41) of Minneapolis and their children are Nancy, 19, a sophomore at St. Olaf College; Martha, 17; John, 14; and Todd, 9. Charles writes "I enjoy a rural practice. My hobbies are golf, fishing and camping." He is a director of the First National Bank of Henning and of the Henning Nursing Home.

William H. Lindblom^o has practiced internal medicine since 1950 at the V.A. Hospital in Iron Mountain, Mich. He took his residency at the V.A. Hospital in Des Moines, Ia., after Army service in Germany, and married Herta E. Laemmert of Groepingen, Germany. Their children are Andrea, 13; Christina, 12; twins Juliana and Patrice, 8; and Heide, an infant. The Lindbloms live at 801 W. Brown in Iron Mountain.

Robert Lindell^o has practiced internal medicine alone in St. Paul for 14 years. He is a clinical assistant professor at the Medical School and a diplomate of the American Board of Internal Medicine. Bob served in the Army and married Lois Scheere of South St. Paul. They have a son, John, 10, and live at 730 Stewart La., South St. Paul.

Douglas T. Lindsay^o is an orthopedic surgeon with the Fargo, N.D. Clinic. He has been in that area since 1952, after receiving his M.S. in orthopedic surgery from the University in 1950. His military service was with the Army, and his wife is the former Nelda Kanne of Faribault, Minn. Their five children are Holly, 15; Heather, 14; Heidi, 12; Douglas, Jr., 11; and Nelda Lynne, 7. The family likes sailing, flying and skiing. They spend vacations at Whitefish Lake near Pine River, Minn. Home for the Lindsays is 1545 S. 9th St. in Fargo.

Charles Louisell^o practices ophthalmology in Fairmont, Minn. His address is 113 E. 1st St.

James M. Louisell^o practices psychiatry and is medical superintendent of the Ft. Custer Training School for the Mentally Retarded in Kalamazoo, Mich. During Army service he was stationed at Manila and Okinawa. Jim married Lucille Jensen of St. Paul and they have a family of ten: Stephen, 20; Ruth, 16; Michael, 14; Christopher, 13; Marie, 11; Tom, 10; Philip, 9; Daniel, 7; Ann, 6; and Charles, 4. Jim writes, "Both Lucille and I golf a lot and the family took up skiing last winter. We like to travel and have spent a little time in Denmark where my wife lived for several years during the German occupation." The Louisells live at 1815 Holiday La., Kalamazoo.

^oMember, Minnesota Medical Foundation

Clark M. Marshall^o practices general medicine and surgery in Crosby, Minn. with classmate James Nixon and Roger Kelly (Med. '51). They recently moved into their new Cuyuna Range Clinic and Cuyuna Range District Hospital of 40 beds. Clark received his M.S. in surgery from the Medical School and served with the Marine Corps in Saipan and Japan. His wife, the former Dorothy Egekvist, is a medical technology graduate of the University. The Marshall family also includes Clark, Jr., 19, a sophomore at Carleton College; Martha, 18, a freshman at St. Olaf College; Priscilla, 14; and Thomas, 8. Clark writes, "We keep quite busy but I manage to squeeze in some golf, skiing, and flying."



DR. AND MRS. C. MARSHALL

George R. Martin^o is in solo general practice in Minneapolis, and was recently appointed chief of staff at Fairview Hospital. He spent four years in the Army, served overseas, and is still a reservist. He and his wife, Ruth Griffiths of Minneapolis, have six children: James, 18; David, 16; Richard, 13; Charles, 12; Mary Jean, 8; and George III, 4. The Martins live at 5308 1st Ave. So. in Minneapolis.

Elizabeth A. McGrew is associate pathologist at the Research and Educational Hospitals in Chicago, Ill., where she has been since 1945. She is also professor of pathology at the University of Illinois College of Medicine. Elizabeth's home is 548 Judson in Evanston, Ill.

Robert L. Merrick^o practices neurosurgery with two other doctors in St. Paul. He is an assistant clinical professor at the Medical School where he received a Ph.D. in 1942. He took his residency at the Neurological Institute of New York and the University Hospitals. Bob served in the Army and married Charlotte Teschan, (Med. '43). They live at 6 Oak Ridge Rd., North Oaks, St. Paul, with Roger, 18; and Michael, 17.

J. Adelaide Moren practices ophthalmology with George T. Tani (Med. '50) in St. Paul. She took her residency in general surgery at Children's Hospital in San Francisco. Adelaide's husband is E. T. Cedarleaf, Jr. and their children are JoAnn, 17;

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THE MEDICAL BULLETIN



GEORGE MCGEARY



W. M. MULHOLLAND

Mary, 14; and Susan, 13. They enjoy hunting and fishing and live at 3300 Arcwood Rd. in St. Paul.

George D. McGeary is pathologist and director of laboratories at St. Charles Memorial Hospital in Bend, Ore. He writes that he also has a private pathology practice serving five small hospitals in central Oregon. George has practiced pathology for eight years in Oregon. His wife is Elizabeth Herbert, a 1945 Minnesota graduate and St. Paul native. Their children are Mike, 18, a freshman at Harvard; Tina, 17; Duncan, 12; Betsy, 9; and Susie, 7. They live at 759 Roanoke Avenue in Bend. George comments, "We live in the mountains. The whole family skis and we camp out often, and go fishing and hunting."

William M. Mulholland has practiced pediatrics for 17 years, the last two with a pediatric group in Minneapolis. He took his pediatric training at the University of Buffalo and is a clinical teacher at the Medical School. Bill served in the military and married Catherine Sneed of Minneapolis. Their four girls ("the greatest!") are Anne, 19; Linda, 16; Gayle, 12; and Beth, 10. Bill hunts in his spare time. The Mulhollands live at 2701 W. 52nd St. in Minneapolis.

Gerald Nadeau is in general practice in Riegelsville, Pa.

James Nixon practices general medicine in Crosby, Minn., in association with classmate Clark Marshall, and Roger Kelley (Med. '51).

Martin A. Nordland* has practiced surgery in Minneapolis for nearly 17 years. He was a Mayo Foundation fellow in surgery and married Elizabeth Kingsley of Minneapolis. Their children are Martin N., 19; Susan, 18; and Timothy, 15. The Nordlands live at 4905 First Ave. S. in Minneapolis.

*Member, Minnesota Medical Foundation

E. Harvey O'Phelan is an orthopedic surgeon in Minneapolis, and physician for the University of Minnesota's varsity athletic teams. He received his M.S. in orthopedic surgery from the Medical School, and is a clinical teacher there. While in the Air Force he was stationed in Wiesbaden, Germany. He married Kathleen Bartl of Minnesota and their children are Moon-yeen Patrice, 13; Shean James, 11; Timothy Conan, 10; Edward Harvey, 9; Cachene Shivawn, 2½; and an adopted daughter, Mary, 13. The family lives at 2800 West River Rd., Minneapolis.

Leslie M. Parent is chief of anesthesiology at Mercy Hospital in Springfield, Mass., and also has a private practice. He took his training at the Veterans Hospital in New Orleans, La., and spent 1945/47 in Army duty. Les married the former Winifred M. Byrne of St. Paul and their children are Michael, 19; Linda, 17; Christine, 14; Roger, 12; and John, 10. He writes, "Through no pre-planning I now live and work about ten miles from where I was born (Westfield, Mass.). Our family enjoys sports, especially golf and skiing." They live at 61 Alderbrook Lane in West Springfield.

Roy T. Pearson practices internal medicine with a five man group in Spokane, Wash. Roy served in the Navy and married Ruth Sjoldal of Ada, Minn. Other members of the family are Michael, 19, a sophomore and pre-med student at Stanford University; Mark, 17, a high school senior and All-State football guard who was selected to the High School All-America Football Team of *Scholastic* magazine; and Jim, 14. Roy writes, "This is a perfect place to practice, in the heart of the vacation country, close to skiing and to a medical center." The Pearsons live at 633 E. 25th Ave. in Spokane.



ROY T. PEARSON AND FAMILY

Leonard F. Peltier has been professor of surgery and head of orthopedic surgery at the University of Kansas School of Medicine in Kansas City, Kan., for eight years. He received his Ph.D. in surgery from the University of Minnesota in 1951. Len was a former Markle Scholar, and received the Kappa Delta Award in 1958 and the Nicholas Andey Award in 1961 for orthopedic research. His wife is Marian Kane of Omaha, Neb., and their sons are George, 19; and Stephen, 14. The family lives at 5116 W. 68th St. in Shawnee Mission, Kan.

John W. Perry* has practiced internal medicine alone in Hollywood, Calif. since 1949. He took his training at the Hospital of the Good Samaritan and at U.S.C. He served in the Air Force, and married Velva Stephens of Los Angeles. They have a daughter, Victoria Ann, age 7. John is especially interested in athletic injuries. He is now team physician for the Los Angeles Rams professional football team and served as team physician for the Washington Redskins for five seasons. John has been officer and counselor of the Hollywood Academy of Medicine for nine years. Golf is his hobby. The Perrys live at 5505 Tuxedo Terr., Hollywood.

Donald H. Petersen is director of the alcohol and drug addiction unit at the Willmar State Hospital, Willmar, Minn. He took his training at West Suburban Hospital in Oak Park, Ill.; spent a period in the Army Medical Corps; and was director of the Student Health Service at St. Olaf College for 15 years before taking his present post in 1962. Don married Ruth Kunkel of Anaconda, Mont., and their children are Matthew, 19 and Linda, 18, both college students; Trude, 16; and Claudia, 6 ("starting over again with PTA!") They live at 1424 Vista Lane in Willmar. Don writes that he plans to continue in the addiction field because of the tremendous needs, challenges and rewards. He continues, "There are also many lakes, good fishing and camping to enjoy in the area."

Kenneth H. Peterson has been in general practice 19 years with a five-man group in the Hutchinson, Minn. Medical Center. Ken served in the Army during 1946/47 and married to former Hulda Elling of Hamburg, Minn. They have two sons, Kenneth, 19; and Robert, 18; who attend Hamline Univ. Their daughter, Nancy, 16, is in high school. The Petersons make their home at 545 Harmony La., and Ken enjoys fishing, hunting and wood working.

*Member, Minnesota Medical Foundation

Gordon J. Plattes has practiced 16 years of general medicine at the West Marin Medical Center in Point Reyes Station, Calif. Gordon and his wife, the former Patricia Cole of St. Cloud, Minn., have two children, Michael, 15; and Mary Ann, 14. The family lives in Silverhills, Point Reyes Station.

John H. Reitmann^o combines a private psychiatry practice with part time teaching at the Southwestern Medical School in Dallas, Tex. He served in the Army, and took his psychiatry residency at the University of Cincinnati. John is former director of the Hastings, Minn. State Hospital. His wife is Frances Primmer of Duluth, and David, 19; Jane, 16; and Ann, 14, complete the family. Their home is 9541 Highedge in Dallas.

Fred B. Riegel^o is senior member of a seven-man group of general practitioners and specialists in St. Croix Falls, Wis. Fred trained in internal medicine and spent two years in medical residency in naval hospitals during the war. His wife, Joanna Johnson, was from Indiana. Their children are Laurence, 14; Gail, 12; and Daniel, 10. The Riegels live in St. Croix Falls. Fred writes that his hobbies are "skiing in the winter, masonry and tree gardening in the summer, and 'barbershop' singing the year around."

James S. Robertson^o is head of the Medical Physics Division of the Brookhaven National Laboratory in Upton, Long Island, 65 miles from New York City, the A.E.C.'s "Atoms for Peace" laboratory. He has studied radioactive tracers and the biological effects of radiation for 15 years, including overseas studies of fall-out exposure among natives in the Marshall Islands. He took a Ph.D. in physiology at the Radiation Laboratory of the University of California, Berkeley, and served in the Navy during both World War II and the Korean War. Jim's wife is Ruth Henrici, daughter of the late Prof. A. T. Henrici, University microbiologist. The Robertson family includes Kathleen, 17; John, 15; and Marion, 13. Their address is P.O. Box 400, E. Setauket, N.Y.



JAMES ROBERTSON

John G. Rukavina^o is in private dermatology practice in St. Paul. He holds an M.A. in psychology and M.S. in internal medicine from the University, and is certified by both the Ameri-

^oMember, Minnesota Medical Foundation

THE MEDICAL BULLETIN



JOHN RUKAVINA



ALAN RUSTERHOLZ



E. L. SATHER

can Boards of Internal Medicine and Dermatology. John teaches dermatology at the Medical School. He and his wife, Florene Volker of Stafford, Kan. have four children, David, 13; Elizabeth, 12; Gregory, 10; and Phillip, 9. They make their home at 1836 Shryer Ave., St. Paul.

Alan P. Rusterholz has practiced internal medicine in the Lowry Medical Arts Bldg. in St. Paul for 13 years. His wife, Phyllis, is from Riverside, Ill. They have four children: Kurt, 16; Jill, 13; Peter, 10; and Alan, Jr., 7. Alan's interests are singing, golf, softball and fishing. The family lives at 1710 Portland Ave., St. Paul.

Murray R. Salkin is in general practice in association with an internist. His special interest is pediatrics. He has practiced in Hawthorne, Calif. for nearly 16 years, and served in the Army Medical Corps. Murray married Arlyne Klekner of Ohio, and Pamela, 13; and Owen, 9, complete the family. He is chief of staff at Hawthorne Community Hospital and active in the L.A. County Medical Assn. The Salkins live at 10100 Lovelane Pl. Los Angeles.

Edgar L. Sather and his two brothers have been associated in practice for 15 years at the Sather Clinic in Fosston, Minn. Ed served in the Army in the Pacific Theater and married Bette Florios of Michigan. Their children are Andrea, 14; Lisabeth, 13; Suzanne, 11; Jay, 9; and Jon, 5. Edgar writes, "We enjoy the definite four seasons of northern Minnesota. I've enjoyed my 15 years of general practice in this rural community."

Joseph A. Schaeffer* has been in a three-man pediatrics practice in Santa Rosa, Calif. for 13 years. He served in the Navy Medical Corps and married Patricia Meyers of Duluth, Minn.

*Member, Minnesota Medical Foundation

They have a family of six: Charles, 15; Michael, 14; Janine, 12; Julie, 11; Timothy, 9; and Mary, 6, and lives at 1711 El Camino Way, Santa Rosa. Joe writes, "Santa Rosa is a beautiful community in the Redwood Empire and a wonderful place to raise a family. This is where we will stay."

Richard H. Schmidt* is a radiologist and director of the School for X-ray Technicians at Porter Memorial Hospital in Valparaiso, Ind. He took his residency at the Methodist Hospital in Indianapolis, Ind., and also served in the Army in the Panama Canal Zone. Dick is unmarried. He writes, "I am located in a delightful small university town in one of the fastest growing areas in the country, 90 minutes from Chicago and 12 miles from Lake Michigan. I'm running an active hospital practice of general radiology—diagnosis, therapy, isotopes. I'm overworked like everyone else, but I enjoy it immensely." Dick's address is 832 Lincolnway, Valparaiso.



RICHARD SCHMIDT

Albert J. Schroeder* has been with a five-man pediatric group in the Southdale Medical Building in Edina, Minn. since 1958. He is a clinical instructor in pediatrics in the Medical School's program at Hennepin County General Hospital. Al served in the Philippines with the Navy Medical Corps. He married Ruth Chamberlain of Hasting, Minn., and they have four children, Frederick, 18; Louise, 15; Nora, 12; and Beth, 8. Al writes, "I enjoy the practice of pediatrics, particularly the challenge of adolescent medicine." In his sparetime he's a "yard man and crabgrass fighter" at the family home at 219 West Minnehaha Parkway in Minneapolis.

Donald Schultz practices internal medicine in Helena, Mont.

John W. Schumacher* is a psychiatrist in Minneapolis. He was formerly on the staff of the University of Minnesota Students Health Service and served in the Army Medical Corps. John married Dauphine Borg of St. Paul and their children are Nancy, 16; and David, 12. They live at 243 Ardmore Dr., Minneapolis. John's hobbies are astronomy, photography, and classical music.

Martin A. Segal* has been a pathologist for eight years at Methodist Hospital in St. Louis Park, Minn., and teaches in the

*Member, Minnesota Medical Foundation

Department of Laboratory Medicine at the Medical School. He spent 1945/47 in the Army and is married to Gloria Rodich of Minneapolis. Their family includes Nolan, 15; Thomas, 13; Susan, 10; and Robby, 4. The Segals live at 2221 So. Hill Lane in Minneapolis. Martin writes that he has no special plans for the future but that he "wouldn't mind discovering the causes of cancer."

J. Paul Seifert is in general practice in Libby, Mont.

Eugene H. Short^o has been chief of general surgery at the Casualty Hospital in Washington, D.C. since 1959. He served in the Army during 1945/47, and lives at 7207 Brennon Lane in Chevy Chase, Md.



DANIEL SIMON

Daniel Simon^o practices internal medicine in Richmond, Calif. He has been in California ten years and recently acquired an associate in his practice. Dan took his residency under Dr. C. J. Watson at the Medical School and is certified by the American Board of Internal Medicine. He is a clinical instructor at the University of California and civilian consultant at the U.S. Naval Hospital in Oakland. Dan married the former Alice Nison, a New Yorker, and their children are Guy, 16; Gail, 14; and Philip, 12. They live at 1009 Miller Ave., Berkeley.

Hyman R. Soboloff^o is an orthopedic surgeon in a three-man group in New Orleans, La., and has been there since 1952. He is a clinical associate professor at Tulane University, and served in Okinawa and Korea during 1945/47 military duty. He and his wife, the former Myra Merske of Minneapolis, have two children, Joan, 6; and Robert, 4. Their home is 1015 Falcon Rd. in Metairie, La. Hy comments, "The most enjoyable part of my professional life is teaching at Tulane and the work that I have been able to do in cerebral palsy for the last 15 years."

Samuel Solhaug, Jr. has practiced obstetrics and gynecology in Minneapolis for ten years. He took his residency at Minneapolis General Hospital and now teaches there under the Medical School's program. Sam was in the Navy during 1945/46 and 1952/54, and married Marjorie Hanson of Osakis, Minn. They have a family of six: Mike, 19; a sophomore at St. Olaf College; Art, 17; Mary, 14; Kirsten, 12; Martin, 6; and Sam, 1½. They

^oMember, Minnesota Medical Foundation

live at 1715 Morgan Ave. S. in Minneapolis. Sam "manages to keep busy with practice, family, spectator sports and golfing."

Kermit Stensgaard is a surgeon in San Pablo, Calif. His address is 2023 Vale Rd.

Harvey W. Stone^o is a radiologist in Lynwood, Calif., where he has practiced for 12 years. He received his M.S. degree in radiology in 1952 and spent a period in the Army Medical Corps. Harvey married Evelyn Lebedeff of Minneapolis and they have a daughter, Judy, 18. Harvey writes, "We enjoy California from all points of view, even though we still 'root' for Minnesota. My daughter is a freshman at U.C.L.A., which reminds me of our own great University." The Stones live at 4711 Don Zarembo Dr., Los Angeles.

Norman Stone^o, a radiologist, has offices at 250 Medical Arts Bldg. in Minneapolis.

Paul G. Storaasli is deceased.

Robert J. Strobel has an EENT practice in Moscow, Ida., his home since 1952. Bob served in the Army Medical Corps and married Joanne Schultz of South St. Paul. Their five children are Carolyn, 16; Mary Lee, 15; Bill, 13; Anita, 11; and Tommy, 5. The Strobel residence is at 820 East B. St. in Moscow. Bob writes, "We love living in Idaho. The hunting and fishing are superb, but we do miss the Minnesota wall-eyed pike."

Scott N. Swisher has combined a teaching, research and consultation practice in hematology and internal medicine at the University of Rochester in Rochester, N.Y. since 1949. He is professor of medicine and head of hematology. He took his training at the Universities of Minnesota and Rochester, and served in the Army as a transport surgeon in Atlanta, Ga. Scott writes that he is "fat, bald and happy, with too little time for too many hobbies to be aware of the rapid passage of time!" He is interested in biomedical applications of data processing techniques and computers, diagnostic logic and information theory. Mrs. Swisher is Edna Briese of Gibbon, Minn., and their sons are Scott, III, 15; and Edward, 11. They live at 201 Inwood Dr. in Rochester.

Donald^o and **Gloria Ann Taylor** practice psychiatry and neurology in San Diego, Calif. Their home address is 233 A. St.

^oMember, Minnesota Medical Foundation

Nels John Thysell died November 16, 1964 in Huntington Beach, Calif.

Fae Tichy practices psychiatry and neurology in Pasadena, Calif. Her home is 960 E. Green St.

John K. Torrens is a psychiatrist in Albuquerque, N.M., where he has been located for 10 years. He teaches at the new University of New Mexico Medical School, and took his residency at the University of Texas Medical Branch in Galveston. He was president of the Bern County Medical Society in 1962. John's wife, Marie Hansen, is from Minnesota. Their children are Julie, 14; and Jim, 11; and they live at 800 Amherst S.E. in Albuquerque. John's professional interests are psychotherapy and medical legal problems, and he likes golf and riding.

Jean Vivino is in temporary retirement from practice "until my children are older." She was formerly medical director of the Kábat-Kaiser Institute for Neuromuscular Rehabilitation in Washington, D.C. Jean's husband, Earl, received his Ph.D. in Biochemistry from the University of Minnesota and his M.D. from Georgetown University. He is in private internal medicine practice in Washington. The Vivino family includes Anne, 15; Gail, 12; Barbara, 9; Philip, 8; Joyce, 7; Paul, 5; and Mark, 4. They live at 7219 Honeywell Lane in Bethesda, Md.



IRA O. WALLIN

Ira O. Wallin^o is in general practice in Harbor City, Calif., where he is associated with the Southern California Permanente Medical Group. He lives at 5465 The Toledo, Long Beach, Calif., with his wife, Vera. They have a son, Jeff, 22. Ira's favorite recreation is fishing.

Fred Walter^o is in general practice in International Falls, Minn.

Darrell E. Westover is a general surgeon in St. Paul and a clinical instructor at the Medical School. He took a residency in surgery at Minneapolis General Hospital and served twice in the Naval forces, including 18 months with the Marines in Korea. Darrell's wife is the former Eleanor Nelson of Northfield, Minn., and their children are Diane, 18, a freshman at Hamline Univ.; Devra, 13; and Denise, 9. Their home is at 2371 Swan Dr. in St. Paul. Darrell writes, "We all enjoy the outdoors. My

^oMember, Minnesota Medical Foundation

main hobby is my yard. I do some big game hunting, and enjoy trout fishing, woodworking and 'amateur' oil painting."

Franklin C. Wilson has practiced general medicine in Hampton, Va. since 1955. He served in the Army and is married to Evelyn Rost of Minneapolis. They have a son, Brian, age 15, and live at 71 Findley St. in Hampton. Frank's hobbies are boating and fishing.

A. Cabot Wohlrabe^{*} has practiced internal medicine for 15 years in Minneapolis and is a clinical instructor at the Medical School. While in the Army he was stationed in Europe. He married Jean Watson of Minneapolis and their children are Brian, 16; Bruce, 14; and Ellen, 10. The Wohlrabes live at 4802 Sunnyside Rd., Minneapolis.

John R. Wolgamot practices internal medicine with a four-man group in Moorestown, N.J. He has been in this location 14 years, and teaches at the University of Pennsylvania School of Medicine. While in the service he was stationed in the Panama Canal Zone. His wife is Frances Bryant of Rich Square, N.C., and their children are Paige, 18; Beth, 15; Ann, 13; Robin, 9; and John B., 6. The Wolgamots live in Moorestown at 123 Chestnut St. John is president of the medical staff of Burlington County Hospital in Mt. Holly, N.J., as well as director of the Department of Metabolic Diseases. He is active in church and civic organizations, and likes hunting and fishing. "We've adopted Maine as the next best vacation alternative to Minnesota," he writes.

Robert A. Wood has practiced urology at the Sheboygan, Wis. Clinic for 14 years. He took his training at the Minneapolis V.A. Hospital and served in the Army Medical Corps in Germany. His wife is Maxine Wood of Minneapolis and the family includes Marti, 11; Robert, Jr., 9; and Christine, 20 mos. They live at 625 Oak Tree Rd., Sheboygan. Bob writes, "I have a satisfactory group practice in a progressive medical community." He is past president of his county medical society and of the Memorial Hospital staff, and likes skiing, hunting, and golf.

Thomas D. Wright responds that he has been engaged in a "very solo" internal medicine practice in St. Louis Park, Minn. for 11 years. His military duty was with the Army from 1945/48 and the Air Force from 1951/53. Tom's wife is the former Jane Mason of St. Louis Park. Their son, Thomas, Jr., 18; is a fresh-

^{*}Member, Minnesota Medical Foundation

THE MEDICAL BULLETIN

man at Minnesota. The Wrights live at 8124 Westwood Hills Dr.

Robert L. Wylie[°] owns and operates the California Transfusion Service, a private blood bank and clinical laboratory service in Los Angeles, Calif. He started his practice of 17 years after service with the Medical Corps in Europe. Bob's wife, Loo Lan, was born in China. Their children are Shirlee, 11; Stephanie, 8; Jacqueline, 7; and Patti, 5. The Wylies live at 8626 Wonderland Ave., Los Angeles.

[°]Member, Minnesota Medical Foundation



Staff Meeting Report

Morquio's Disease — A Re-Evaluation of Diagnostic Criteria*

Leonard O. Langer, Jr., M.D.†

*A*n unequivocal radiological diagnosis of Morquio's Disease or Morquio-Brailsford Disease can be made at the age (one year or over) when signs and symptoms of the condition cause parents to seek medical advice. Separation of this condition from other bone dysplasias with which it has been confused should allow definition of common medical complications and therefore, earlier and more successful treatment, and give a basis for investigation of underlying causes.

Diagnosis of the various bone dysplasias and dystrophies usually rests on a combination of clinical and radiographic findings. Radiographic examination is frequently the most important diagnostic study. Unfortunately, accurate radiographic criteria for many dysplastic conditions do not exist at the present time. Morquio's Disease is used as the diagnosis for a number of dwarf conditions where the shortening is primarily due to flattened vertebral bodies. The "lumping" of these conditions together under one name serves no useful purpose; it has obscure differences which are of practical and theoretical importance. Conditions currently classified as Morquio's Disease have different types of genetic transmission, different medical problems, and undoubtedly different basic causes.

Morquio's Disease was independently described in 1929 by Morquio and Brailsford. Recently the term, Morquio-Ullrich Disease has been introduced into the English language literature to describe patients having the same bone changes as those found by Morquio and Brailsford, but in addition having fine corneal opacities, dental abnormalities, and who excrete an abnormal urinary mucopolysaccharide, keratosulfate. Proponents of this designation claim the condition is different from Morquio-

*From a report to the Staff Meeting of University Hospitals on February 5, 1965
†Assistant Professor, Department of Radiology

Brailsford Disease where the original authors described no abnormality outside of the skeletomuscular system.

In a University of Minnesota study of the largest number of "true" Morquio's Disease patients reported to date, the evidence indicates that all patients having the same bone changes as originally described by Morquio and Brailsford also have the eye, teeth and urine findings as well. The term Morquio-Ullrich's Disease thus seems superfluous. In this study there were 10 patients who had identical bone changes to those described by Morquio and Brailsford and 13 patients with somewhat different bone changes but with conditions which have been described as Morquio's Disease in the medical literature. All 10 patients having the same bone changes as those originally described had fine corneal opacities on slit lamp examination and thin enamel with sharp irregular cusps in the teeth. Keratosulfate, an abnormal mucopolysaccharide, was demonstrated in the urine in the five patients in whom technically satisfactory paper chromatography was obtained. None of the other 13 patients showed any of these changes. Therefore, Morquio-Brailsford's Disease appears to be a mucopolysaccharidosis and in this sense is related to the conditions of the Hurler's syndrome in which abnormal but different mucopolysaccharides are also excreted in the urine. In the study, it was noted that hearing loss was common in patients with Morquio's Disease, and five of the six adult patients had evidence of spinal cord damage which seemed referable to the high cervical region.

Radiographic studies in these 10 patients together with cases from the literature and cases sent to me for review permit the establishment of diagnostic criteria for the radiographic diagnosis of Morquio's Disease. Specific details in the radiographic appearance vary with the age of the patient but in a characteristic pattern.

Briefly, there is,

1. Hypoplasia or absence of odontoid process of C2.
2. Flattening of the vertebrae in the cervical, thoracic and lumbar spine with a central tongue configuration in the thoracic bodies and a hook configuration in the lumbar bodies in childhood.
3. A long narrow pelvis with deficient ossification in the superior aspect of the acetabula and coxa valga deformity with progressive collapse of the femoral head.

4. Conical bases of the metacarpals two through five, deficient ossification of the carpal bones, and obliquity of the distal radial and ulnar growth plates.

5. Thin enamel layer of the teeth with irregular sharp cusps which is present in both the deciduous and permanent teeth which predisposes to caries formation.

Radiographic examination allows an unequivocal diagnosis of Morquio's Disease before typical clinical deformity develops.

Staff Meeting Report

Some Ocular Manifestations of Drug Toxicity*

William H. Knobloch, M.D.,† Luis Tredici, M.D.,‡
and W. S. McClanahan, M.D.§

Phenothiazine derivatives administered in large amounts over a long period of time may produce significant ocular changes. The wider selection of drugs at our disposal increases our need for vigilance in the detection of possible toxic reactions.

Our awareness of adverse reactions associated with chlorpromazine therapy is partly due to the unusual skin changes some of these patients have shown. A purplish discoloration may be seen over the exposed surfaces of the body. Skin biopsies have revealed a deposition of a fine granular pigment in the superficial dermis. Pigmentation of ocular structures was simultaneously reported and more recently autopsy findings in a number of patients receiving large doses of chlorpromazine were described. The deaths were unexplained on post-mortem exam-

*From a report to the Staff Meeting of University Hospitals on February 19, 1965

†Assistant Professor, Department of Ophthalmology

‡Research Fellow, Department of Psychiatry and Neurology

§Medical Fellow Specialist, Department of Ophthalmology

ination, but similar pigment granules were distributed throughout the body tissues including the reticuloendothelial system, liver, kidneys, and central nervous system.

Our investigation of state hospital mental patients at Anoka and Willmar, Minn. disclosed 10 patients with eye changes. Nine of the 10 were found to have golden-brown granules in the corneal stroma. The corneal nerves were prominent but sensation was apparently normal. Similar pigment granules were distributed in the epithelial layers of the lens under the anterior capsule in all of the patients. Two showed frank discoloration of the conjunctiva. One patient had developed cataractous lens changes with reduction of visual acuity. All of the visible pigment in the eye structures were in areas exposed to light, i.e., not under the lids or iris. The eye findings were also present in two patients who did not display the usual skin changes.

The fundus examination of this group of patients was normal except for one female who had previously developed pigmented retinopathy secondary to Mellaril®. This drug was discontinued and chlorpromazine was started. Now, two years later after receiving 1.2 kilograms of this drug, the anterior ocular changes are evident.

All of the patients in this group have received chlorpromazine in large amounts. Other drugs have also been given but the one common to all is chlorpromazine. Total dosage ranged from .5 to 2.5 kilograms over a period of two to nine years. The group consisted of eight females and two males ages 20 to 55.

Six additional patients were studied who had received comparable doses of chlorpromazine over a long period of time. No pigmentation of skin or interior segment of the eye was found.

It has generally been accepted that the pigment deposited in the tissues is melanin. This is largely based on histochemical observations. One of the metabolites of chlorpromazine, 7 hydroxychlorpromazine, displays photodynamic activity, turning purple on exposure to light. This metabolite is known to be present in urine and tissues of patients receiving large doses of chlorpromazine. Phenothiazine metabolites also reduce silver nitrate, the basis of the melanin stain. It is possible that the pigment deposits are phenothiazine metabolites rather than melanin.

Because of the deaths reported that may be linked with chlorpromazine therapy and the ocular damage cited, caution in the use of this drug in large amounts over extended periods must be urged.

Staff Meeting Report

Exploring the Brain with Drugs*

Amedeo S. Marrazzi, M.D.†

A useful way to explore the brain in order to identify sites, function and relations is to modify its function experimentally. This can be done with drugs, with a discreetness that can be selected by varying the dose.

Since the brain is essentially a communications system, it is appropriate to focus on the switching mechanisms, i.e., on what have been called the "decision points" or the synapses. It is a striking and experimentally advantageous characteristic of these interneuronal links in the communication systems, that they are at once critical to cerebral function and highly vulnerable to most chemical influences. The latter therefore provide a powerful tool for dissecting function as well as a potential means for effecting therapeutic modifications.

To monitor synaptic events with precision, it is convenient to initiate cerebral synaptic transmission by an electrical stimulus input and record the electrical signal of the resulting transmitted response, the evoked potential, whose height is directly proportional to the output. The significance of such cerebral signals is arrived at by correlation with the behavior they control and with the chemical events underlying the neuronal impulses that constitute the signals.

It has been possible in this way to map the nature and the distribution of drug induced or modified responses in health and in disease, or in experimental approximations of similarly disturbed function. From this it appears that:

1) A sensitive substrate of drug action is the neurohumorally determined synaptic equilibrium, which is transiently disturbed by transmission and distorted by drugs. These act through their ability to mimic or to alter the duration of action of the cholinergic

*From a report to the Staff Meeting of University Hospitals on February 26, 1965.

†Professor, Department of Pharmacology

gic, excitatory or adrenergic and serotonergic, inhibitory neurohumors.

2) Cerebral synaptic responsiveness to drugs is *qualitatively* identical at various cerebral sites that we have sampled, including cortex, subcortex and brainstem. This, therefore, represents a general characteristic which does, however, exhibit marked *quantitative* differences.

3) Because of such differential thresholds, drugs can cause a disruption of normal relations or equilibrium between parts of the brain, as with LSD₂₅. Or, if appropriately used, drugs can act to promote the restoration of equilibrium, as with tranquilizers and antidepressants.

4) A concept of cerebral homeostasis can be equated with mental health and its disturbance with psychosis, which is then regarded as a failure of cerebral integration.

5) Clinical yardsticks for measuring degrees of functional integration are proposed, which make use of subclinical doses of drugs to challenge cerebral homeostasis in quantified lever pressing and perceptual aberration tracking situations.

Exploration of the brain with drugs allows also exploration of the mind, for which it is the substrate. Drugs may be used to increase understanding of cerebral function in health and disease and to assess functional disintegration as in brain damage, aging, mental retardation and mental disturbance. Proposed clinical yardsticks based on this could be used for diagnosis, for evaluation of therapy, for screening populations for individuals in need of preventive or prophylactic care and in the evaluation of new drugs.

Medical School News

The Herman M. Johnson Memorial Emergency Loan Fund, which provides short term, interest-free loans to students at the Medical School, recently passed a milestone.

More than \$100,000.00 has now been loaned to needy students since the Fund was established in November, 1959. More than 700 loans have been issued, and there have been no losses to delinquent accounts, according to Mr. Eivind Hoff, Jr., executive director of the Minnesota Medical Foundation, which administers the loan service in behalf of the Medical School. Loans have averaged \$142.00 during the first five years of operation. The maximum individual loan obtainable is \$200 for three months.



Eivind O. Hoff, Jr.

The Minnesota State Medical Association established the fund with a grant of \$2,000.00 in memory of a former Association president, the late Dr. Herman M. Johnson of Dawson, Minn. It has since been increased several times by M.S.M.A. to meet student need and now is capitalized at \$8,000.00.

Winter quarter enrollment at the Medical School numbered 548 students, compared to 531 in attendance during the winter quarter one year ago. In addition, there are 26 regularly enrolled medical students having a scheduled vacation quarter, compared to 24 such students one year ago.

Total full time enrollment during the current winter quarter on all campuses of the University of Minnesota is 36,473, approximately a 10% increase over the winter quarter of one year ago.

Alumni Deaths

◆ 1909

Dr. Ellsworth Haydn Trowbridge, Sr., Prairie Village, Kans. Died October 30, 1964, aged 78, of heart disease. He had practiced in Kansas City, Mo. for many years.

Dr. Richard T. Glycer, Mountain View, Calif. Died December 7, 1964 at the age of 81. He was a member of Phi Beta Pi and spent his entire career in general practice, first in Brooten, Minn., then in Sunnyvale, Calif., and the last 41 years in Mountain View, Calif. During World War I he served in France as a major in the Medical Corps of the Army.

◆ 1910

Dr. Otto W. Yoerg, Minneapolis, Minn. Died January 27, 1965 at age 78 after 40 years of surgery practice and 55 years of residence in Minneapolis. He contributed often to the scientific literature and was former president of the Minneapolis Surgical Society, and on the staff of Northwestern Hospital.

◆ 1911

Dr. Dale D. Turnacliff, St. Paul, Minn. Died December 29, 1964 at the age of 76 years. He was in private practice in Minneapolis for many years, and was former medical director of Twin City Lines, Inc. Dr. Turnacliff was a veteran of World War I, serving in France with Base Hospital No. 99. He is survived by his widow, Mrs. Carolyn Turncliff, 2256 Hendon Ave., St. Paul.

◆ 1943

Dr. Joseph E. Christopherson, Mason City, Ia. Died December 28, 1964 of cancer at the age of 45 years. Dr. Christopherson had been a surgeon at the Park Clinic and Park Foundation Hospital for 14 years, and is survived by his wife, Evelyn, and three children, who live at 615 Vermont St. Dr. Christopherson was a native of Virginia, Minn. He won the Silver Star and Bronze Star for gallantry in action with the Marines during World War II. In Mason City he was past president of the Civic Choral Society, of the county medical society, of Trinity Lutheran Church, and had served on the School Board.

Friends have announced establishment of the Dr. J. E. Christopherson Memorial Scholarship Fund, which will provide

scholarships to pre-medical students at Mason City Junior College.

Of him a medical associate wrote: "Joe's diagnosis was made in April 1963, but he continued to practice with the group until about 45 days before his death. He knew the outcome from the first recognition, but approached death with an equanimity I have never before seen in a person."

A month before he died, Dr. Christopherson willed his eyes to the Iowa Eye Bank and his body to the University of Iowa Medical School.

◆ 1963

Dr. Mary Grace Ahlquist Robertson, Denver, Colo. Died February 2, 1965, from cardiac failure following a pulmonary illness. She was a resident in pediatrics at Denver General Hospital, 27 years old, and is survived by her husband, Mr. Truman Robertson, and her parents, Mr. and Mrs. Gunnar Ahlquist, 7100 Oak Grove Blvd., Minneapolis.

Memorial Gifts

The Minnesota Medical Foundation acknowledges with gratitude recent contributions made in memory of:

David N. Benson
Minneapolis, Minn.

James T. Williams, Jr.
Minneapolis, Minn.

Janet Siebold
St. Paul, Minn.

Mrs. Homer Venters
St. Paul, Minn.

Memorial gifts are a thoughtful means of honoring the memory of a relative, friend, or colleague. They serve the living by strengthening medical education and research at the University of Minnesota Medical School. Gifts may be designated for specific purposes. The Minnesota Medical Foundation acknowledges all gifts to both donor and next of kin.

COMING EVENTS

University of Minnesota Medical School

CONTINUATION COURSES FOR PHYSICIANS

University of Minnesota
Center for Continuation Study

1965

- February 1 - 3 Neurology
February 8 - 12 Proctology
February 15 - 18 Internal Medicine
April 2 - 3 Trauma
April 22 - 24 Obstetrics
May 3 - 5 Ophthalmology
May 20 - 22 Surgery

The University of Minnesota reserves the right to change this schedule without notification.

Courses are held at the Center for Continuation Study or the Mayo Memorial Auditorium on the campus of the University of Minnesota. Usual tuition fees are \$50 for a two-day course, \$60 for a 2½-day course, \$70 for a three-day course, and \$100 for a one-week course.

Specific announcements are sent out about two months prior to each course to all members of the Minnesota State Medical Association and to any physicians who request information for a specific course. For further information write to:

DIRECTOR
DEPARTMENT OF CONTINUATION MEDICAL EDUCATION
THE MEDICAL CENTER (Box 193)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA 55455

"FIND JUST 1 PERSON"

Every doctor of medicine during his lifetime will encounter at least one person who will be anxious and able to do something for humanity. When that time arrives, why don't you suggest that the interested person endow a permanent memorial scholarship in the name of a loved one? Some of the friends of the MINNESOTA MEDICAL FOUNDATION have given stock, the dividends of which have provided at least a \$500 perpetual scholarship for some worthy student at our Medical School each year. Some donors have named the MINNESOTA MEDICAL FOUNDATION in their will.

Keep the Foundation in mind and when that right time arrives, you will know when you have found that "just one person" to endow a permanent memorial scholarship.

Vernon D. E. Smith, M.D. (Med. '30)
President

MINNESOTA MEDICAL FOUNDATION
Box 193, University Hospitals
Minneapolis, Minnesota 55455