

# MEDICAL BULLETIN

UNIVERSITY OF *Minnesota*



*in this issue*

- THE CLASS OF 1957
- BRAIN ANOXIA/ISCHEMIA
- LEPTOSPIROSES

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## Alumni Survey



### The Class of 1957

*The Class of 1957 may have signalled the New Wave of alumni interest in the Medical School when it led all classes in attendance at the 1967 Homecoming Reunion held Oct. 20-21. Forty five members of the 112-member class (40%) turned up. All told, 84 husbands and wives wore "Class of '57" nametags.*

*These "slightly graying youngsters" were the "life of the party," according to one veteran alumnus. Dr. Fred Lyon served as reunion chairman and spoke for the class at the Alumni Association banquet, which was regarded as the best in history.*

*Ten years after Medical School, the MEDICAL BULLETIN found all but a handful willing to comment. "Who can forget," one said, "the famed physiologist Ernst Gellhorn, who delighted in reprimanding the yawning students in a thick German accent: 'I don't vant to see any uvulas!'"*

*Other current statistics:*

- *Fifty four are practicing in Minnesota (48%).*
- *Twenty six are in general practice (22%).*
- *Sixteen are practicing in California (14%).*
- *Eight are full time teachers in U.S. medical schools.*
- *Three are or have been medical missionaries.*
- *One is deceased.*
- *Practically everybody skis.*

**Allen M. Anderson\*** has been a GP in Sacramento, Calif. for 6½ years. He lives at 2930 Royce Way with his wife, Renee, and Steven, 7; Russell, 5; and Arthur, 4 mos. Al was with the USPHS Hospital in Norfolk, Va. 1958-60. "Be sure to stop in and see us when you come to the *California Exposition* being built now in Sacramento," he writes.

Al's brother and classmate, **Daniel C. Anderson**, practices general medicine with the Lincoln Medical Group in nearby San Leandro, Calif. and lives at 730 Oakes Blvd. with his wife, Anita, and Karen, 10; Donna, 8; David, 7; and Janice, 4. Dan served in the USPHS and the Coast Guard.

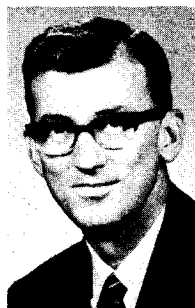
**William W. Baak\*** finished a residency at Minnesota in 1961 and now practices child psychiatry at San Diego, Calif. County University Hospital. He was in the Air Force 1961-63, and now lives at 1573 Copa de Oro Dr., LaJolla, with his wife, Betty, and Steven, 7; and Katherine, 6. "Another California family from the Class of '57 . . . delighted with beauty and climate . . . my practice is the 'most comprehensive imaginable.'"



Allen M. Anderson



Paul G. Belau



Frank Brown

**Jerome M. Bach\*** practices child and family psychiatry and consults with several Minneapolis area school districts, as well as teaching at the Medical School and as an adjunct professor at the Law School. He and his wife, Barbara, live in a new home at 4615 Bassett Creek La., with their four daughters, Ellen, 11; Rebecca, 9; Tena, 7; and Ronna, 4.

**Lucy Balian Rorke\*** is chief of pediatric pathology at Philadelphia General Hospital, and teaches at the Univ. of Penn. School of Medicine. She and her husband, Bob, live at 120 Chestnut St., Moorestown, N.J. "It's ironic . . . my two most difficult med school subjects—embryology and neuroanatomy—are now my daily fare."

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**George B. Bauder** is a solo GP in Oroville, Calif. He has spent eight years there and served in the Army 1944-46. George lives at 2470 Quincey Rd. with his wife and four children.

**John H. Beggs** is a general surgeon at the V.A. Hospital, Lake City, Fla., and teaches at the University of Florida. He and his wife, Mildred, are parents of Kathryn, 8; and James, 5. They live at 21 Highland Court.

**Paul G. Belau** is a consultant in ophthalmology at the Mayo Clinic. He has spent eight years there, following USPHS duty 1957-1959, acquiring an M.S. degree from Minnesota in 1963. His wife, Jane, was a nurse at Fairview Hospital. Their children are Steven, 9; Matthew, 7½, and Nancy, 6. They live at 925 S.W. 11¼ St., Rochester, and like to go boating on the nearby Mississippi River.

**Avi Ben-Ora** is presently a radiology resident at Highland County Hospital, and lives at 5229 Saddle Brook Dr., Oakland, Calif. Avi was in the Air Force 1958-60 and then spent 5½ years as a GP in Phoenix, Ariz. He and his wife, Marcia, are parents of Eve, 10; Danie, 8; and Miriam, 4.

**LaVonne Bergstrom\*** is a third year otolaryngology resident in Denver, Colo. She lives at 959 Madison St. and has spent 7 years as a GP medical missionary in the southwest U.S. LaVonne's hobbies are vocal music and ceramic tile decorative work. She also likes snowshoeing and camping in the Rockies.

**John A. Berman** is deceased.

**George C. Bingham** has spent eight years as a GP in Bird Island, Minn., where there is "plenty of work and much hunting and fishing." He and his wife, Joann, are parents of Steven, 15; Alan, 12; David, 10; Lisa, 8; and Mona, 6.

**William E. Bradley** is an associate professor of neurology at the University of Minnesota Medical School. He has been here since 1959 as a resident and full time teacher. Bill lives at 1957 E. River Rd., Minneapolis.

**Paul E. Brenk** is a GP and obstetrics specialist with the Lake Region Clinic, Detroit Lakes, Minn., following four years of service (1957-61) in the Army. He and his wife, Marion, are parents of Matt, 14; Becky, 11; Chris, 7; and Casey, 5.

**Bancroft M. Brooks\*** is a psychiatrist in Oakland, Calif. His wife, Jane, is a Ph.D. who teaches at the University of Calif. They have a son, Bradley, 5; and daughter, Margo, 2, and live at 240 Tunnel Rd., Berkeley. Bancroft's special interest is community and forensic psychiatry.

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**Charles T. Brown** got his OB-GYN training at the Mayo Foundation 1958-61, then served three years in the Army. He is now Board certified and in practice with a partner at 317 Lowry Medical Arts Bldg., St. Paul.

**Frank T. Brown** is a general surgeon in St. Cloud, Minn. He trained five years at Parkland Hosp., Dallas, Tex., and now lives at 1412 S. 17th St., St. Cloud, with his wife, Alice. They have three sons, three daughters, and a foster child. "We're avid skiers," he writes.

**John J. Casey's\*** address is 12309 10th Pl. N.E., Seattle, Wash.

**G. Robert Chapman** is a medical missionary in Hong Kong. He and Gordon Addington (Med. '58) collected funds and built a modern hospital serving underprivileged masses in the British crown colony. Bob's address is 17 Lancashire Rd., Kowloon, Hong Kong.

**Leland R. Christenson** lives and practices general medicine at Maple Plain, Minn., west of the Twin Cities. He has been there nine years with his wife, Ruth. Their children are Todd, 11; and Berit, 6.

**George M. Crow\*** has been a GP in International Falls, Minn., since 1960, after two years in the Army. He shares an office with Charles B. Will (Med. '39) and is Koochiching county coroner, as well as an avid hunter and fisherman, along with his wife, Lois. They are parents of Greg, 4; and Julia, 2.



George Crow (right) and his father Earl R. Crow (Med. '20) enroute home from Expo '67. Earl is on the Glen Lake Sanatorium staff.

**Richard D. Cunningham\*** is an ophthalmologist practicing and teaching at the Scott & White Clinic, Temple, Tex. He "doesn't miss the Minnesota winters" and lives at 3710 Sierra Blanca Blvd. with his wife, Jean, and four daughters: Kathleen, 12; Linda, 11; Sheila, 9; and Patty, 7. Dick served in the Army four years.

**W. John Dawson, Jr.** is a specialist in physical medicine and rehabilitation at Methodist Hospital in St. Louis Park, and teaches at the University of

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Minnesota. John was formerly a hospital administrator, and obtained the Master's degree in Public Health in 1963. He lives at 6543 Golden Valley Rd., Minneapolis.

**James P. Dudley\*** met his wife skiing in Vermont, was married in June 1965, and "hasn't been skiing since." He's in an



Dr. and Mrs. James Dudley and daughter Mairin.

E.N.T. partnership in Greenwich, Conn., and teaches at N.Y. Eye and Ear, where he also trained three years. The Dudleys have a daughter, Mairin, 1, and live at Intervale Pl., Greenwich.

**J. Craig Edgerton** practices otolaryngology in Ft. Worth, Texas, and teaches at Southwestern Medical School, after completing a residency at Dallas V.A. hospital last year. He enjoys quail hunting and surfing at Padre Island National Seashore, along with wife, Dora, and Bradley, 10; Deborah, 8; Cynthia, 7; Karl, 4; and Eric, 2. They live at 3915 Lenox Dr.

**S. Paul Ehrlich, Jr.\*** has spent 10 years with the USPHS in preventive medicine. He is now with the Office of International Health, Washington, D.C. Paul lives at 3304 Chicamuxen Ct. in nearby Bailey's Cross Roads, Va., with his wife, Geraldine, and Susan, 7; Paula, 5; and Jill, 2. He also teaches at Georgetown.

**E. Duane Engstrom** is in general practice with a 4-man group at the Southdale Medical Building in Minneapolis, and lives at 4300 Philbrook Lane in nearby Edina. He has been a GP since graduation, with time out for Air Force duty 1959-61. He and his wife, Marlene, are parents of Chris, 12; Peter, 10; and Rolf, 7.

**Joseph H. Eusterman\*** says he's the "only internist in his county of 80,000 persons—help!" He practices solo in Albany, Oregon and teaches at the Univ. of Oregon. His family includes his wife, Mary, and Tim, 7; Laura, 5; Martha, 4; and Matt, 3. They live at 3020 S. Liberty. Joe spent two years in the Navy and trained at Mayo.

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## THE MEDICAL BULLETIN

**Leland L. Fairbanks\*** is a career physician with USPHS Indian Health division. He is living at 812 NE 36th St., Oklahoma City, and taking a residency in preventive medicine at the University of Oklahoma. This fall, however, he is on special assignment in Korea with the Peace Corps. His wife, Eunice, and he are parents of Susan, 12; and Gregory, 9. Leland also spent two years with the Peace Corps in Liberia.

**Peter E. Fehr** has spent nearly 10 years a medical missionary working alone in Africa. His address is Banso Baptist Hosp., PMB Bamenda, West Cameroon. Pete will go on leave in 1968 and "hopes to finish my OB-GYN training—then possibly academic medicine. Doris and Pete are parents of Diana, 9; David, 6; Douglas, 4; and Doreen, 2.

**Robert R. Foley** lives at 4738 Forest Circle, Hopkins, Minn., and is a group radiologist at St. Mary's Hospital, Minneapolis. He took a residency 1958-61 at the Medical School, and served in the Navy 1948-52. He and his wife, Mary, have four children.

**Joseph Geller\*** is a GP associate of the Belzer Clinic in south Minneapolis, having spent all his time in general medicine since graduation. Joe lives at 4032 Drew Ave. S. with his wife, Elaine. Their children are Gene, 18; Pamela, 17; Sheila, 14; and Harley, 10.

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Dr. Joe Eustermann and family.



Leland L. Fairbanks



M. M. Goldfine



Carl B. Heggstad

**John S. Gletne\*** has spent 8½ years as a GP in Dos Palos, Calif., and lives at 61 Garcia Ave. in nearby San Francisco. However, he is now a radiology resident at the University of California, and takes his family skiing regularly at Lake Tahoe. His wife, Nydia, is from Nicaragua. They are parents of nine children.

**M. Melvin Goldfine\*** is a GP in Oakland, Calif., having stayed on there after serving with the USPHS. Mickey is also a successful businessman, fundraiser for Israel, and advocate of the Pan American Medical Association. His wife, Harriet, is also from Duluth, Minn. They are parents of Brian, 9; Philip, 8; and Paul, 6, and live at 4268 Coolidge Ave. in Oakland. Mickey, just recovering from surgery, is a trustee of the Minnesota Medical Foundation and chairman of the Foundation's *Scholarship Appreciation Fund* program.

**Alan L. Goldstein's** address is 907 Professional Bldg., Hopkins, Minn.

**Thomas H. Gonor\*** is a psychiatrist at the V.A. Hospital, St. Cloud, Minn., a post he has held six years since taking a residency at the Mental Health Institute, Cherokee, Ia. Single, he lives at 322 14th Ave. SE, St. Cloud.

**Gary D. Good\*** has had a suburban general practice for nine years in the northeast Minneapolis area, and lives at 4024 Silver Lake Terrace. He began with his father, the late Dr. H. D. Good, (Med. '25) who started the practice in 1930. Gary dances occasionally with the *Andahazy Ballet* group. His wife consults in clinical psychology at University Hospitals. They are parents of three daughters, Sherry, 8; Amy, 6; and Leslie, 3.

**Asa B. Graham** has spent nine years in general practice with the Faribault, Minn. Clinic, and lives at 221 SE 9th Ave. in that

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city. He and his wife, Eunice, are parents of Billy, 10; Cathy, 8; Mary, 6; and Margaret, 4.

**David G. Haney's** address is Foothills Medical Center, Glendora, Calif.

**Donald S. Harder's** address is 7069 S. Marshall, Littleton, Colo.

**Jerome L. Harty\*** spent 4½ years in general practice in northeast Minneapolis, and is nearing completion of a pathology residency at Hennepin County General Hospital. He and his wife, Adrienne, and Linda, 11; Susan, 10; Stephen, 8; and David, 6, live at 3128 Edward St. N.E., St. Anthony Village.

**Carl B. Heggestad\*** is a full time associate professor of anatomy at the University of Minnesota, having been in teaching and research since graduation. Carl earned the Ph.D. in 1960, and won the first Minnesota Medical Foundation *Distinguished Teaching Award* in 1962. He lives with his wife, Gloria, (also from Starbuck, Minn.), at 1258 Skywood La., Minneapolis. Their children are Karen, 10; Mark, 8; and Paul, 6. Carl "looks forward to teaching some sons and daughters of the Class of '57".

**Robert T. Hilker\*** has been an internist with the Owatonna, Minn. Clinic since 1961. He and his wife, Kathleen, live at 1028 Grandview, Owatonna, with daughters Rebecca, 6, and Pamela, 2. Bob plays piano and likes photography.

**Norman M. Horns'** address is c/o Fairview Hospital, Minneapolis.

**W. Vincent Hoversten** practices internal medicine with an associate in San Rafael, Calif. and teaches at the University of Calif., where he took a four-year residency. His home is 25

miles north of San Francisco, at 77 Mt. Rainier Dr., San Rafael. He and his wife, Marjorie, have four daughters: Kristine, 11; Greta, 9; Sonja, 8; and Anita, 6. Vince was with the USPHS 1958-60.



Robert Hilker and family.

**George E. Jackish** has been an internist for six years with the 9-man Interstate Clinic, Red Wing, Minn. He trained at Henry Ford Hospital in Detroit, is board certified, and likes bridge and golf. George

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lives at 723 Buchanan in Red Wing with his wife, Jean, and daughters Jodi, 4; and Jeri, 3.

**Dwight E. Jaeger** is an orthopedic surgeon in St. Cloud, joining two other men there a year ago. He was in the Army 1958-61, now lives on Rte. 2, St. Cloud, with his wife, Audrey, and David, 9; Mary, 7; and Ann, 3.

**Frederick W. Jensen\*** took a residency at Stanford and now practices OB-GYN with two others in Phoenix, Ariz. He lives at 310 E. McLellan Blvd. with wife Alice, and Eric, 11; and Paul, 8. In the Air Force prior to Medical School, Fred says "come and visit us in sunny Arizona this winter."



Vincent Hoversten



Michael J. Kozak



Harold W. Keairnes

**Paul A. Jensen** practices OB-GYN with Paul Larson (Med. '30) in Minneapolis, who he joined two years ago. The Jensons live at 7445 W. Shore Dr., Minneapolis. Paul trained at Mayo and served in the Air Force. He and his wife, Marilyn, are parents of Julie, 10; and Jeff, 8.

**Doris I. Johnson\*** practices OB-GYN alone in Tustin, Calif. She has been located at 661 W. First St. for the past six years, and was Board certified in 1965.

**Wendell A. Johnson** says "Iowa is wonderful but I'm a Minnesotan at heart." He's an ophthalmologist with the McFarland Clinic, Ames, Ia., and lives at 1932 Bel Air Dr. in that city. Wendell served with the USPHS, is married to Marilyn Brust of Lead, S.D., and they are parents of Julie, 7; David, 5; and Anne, 1.

**Harold W. Keairnes\*** joined the University of Kansas Medical Center as an assistant professor of preventive medicine and community health, and is also associated with the Kansas Regional Medical Programs. He was a GP in Independence, Mo. 1960-64, and a resident in internal medicine 1964-67 at K.U.

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His wife, Patricia, and he are parents of Audrey, 12; Beverly, 10; Stanley, 6; and Delle, 2. They live at 3800 S. Woodland, Independence, Mo.

**Michael J. Kozak** has been in general practice at the same north Minneapolis location for nine years. His associates are Robert Shragg (Med. '52) and Ralph Papermaster (Med. '40). Mike lives at 2720 Regent Ave. N., Minneapolis, with his wife, Lidia, and Roman, 10; and Nadine, 7.

**Gerald K. Kvistberg\*** is a dermatologist in St. Cloud, Minn., and lives on Rte. 2 in that community. He has been there since 1961, following Army service, and is married to Shirley Good of Minneapolis. Their children are Karl, 8; and Kurt, 1.

**Ronald R. Kyllonen's** address is 1300 University Ave., Madison, Wis.

**Dean W. Larson\*** practices ophthalmology at the Foothills Medical Center, Glendora, Calif. One of his associates is classmate David Haney. Dean trained at Charity Hospital, New Orleans, and also studied pathology. Single, he has worked overseas in Saudi Arabia and West Pakistan, and now lives at 1000 E. Alosta, Azusa, Calif.



Dean W. Larson



Richard R. Lund

**Moses Lichtig's** address is c/o V.A. Hospital, Providence, Rhode Island.

**William Lifson** is presently working in the Emergency Room at New England Memorial Hospital, Stoneham, Mass., and lives in Winchester, Mass. He expects to begin research in educational psychology. He and his wife, Margaret (from Scotland), are parents of Laura, 5; and Kyle, 4.

**Dale D. Lindholm\*** is head of the Renal Disease Section, Tulane University School of Medicine, and lives at 2216 St. Nick Dr., in New Orleans, La. He also teaches at V.A. and USPHS hospitals. Dale trained in internal medicine and nephrol-

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ogy in Seattle, and has been at Tulane for two years. His family now consists of wife Delores and Ronnie, 9; and Cindy, 1½.

**Richard R. Lund\*** is now practicing E.N.T. in Minneapolis. He spent 2½ years in San Rafael, Calif. and 2 years with the USPHS in San Francisco. Dick lives at 3926 Sheridan Av. S., Minneapolis, with his wife, Lois, and Paul, 9; Nancy, 7; Mark, 5; and Peter, 2.

**Richard P. Lynch** has been associate pathologist at Miller Hospital, St. Paul, since 1964. He lives at 2160 Bayard Ave. with his wife, Jean, and Kathleen, 8; Mary, 7; and William, 3. Dick spent 1958-60 in the Navy.

**Fred A. Lyon** lives at 3744 Huntington Av., St. Louis Park, and practices OB-GYN with Minnesota graduates M. B. Sinykin ('35) and Maxwell Barr ('43). Fred served in the Navy 1946-48 and again 1950-52, and is involved in many civic and suburban affairs with special emphasis on civil and human rights. He and his wife, Naomi, are parents of Heidi, 10½, and twin boys Daniel and Gregory, 7½.

**Merle S. Mark** is a partner in the Broadway Suburban Clinic, an 8-man GP group in north Minneapolis. He lives at 1211 N. Vincent Av., and is to be married next Spring to Miss Trudii Anderson, a nurse at North Memorial Hospital. Merle has been a GP since finishing military service in 1961.

**Roland W. Matson\*** writes from Rte. 2, Spring Valley, Minn.: "I need a partner. I have a private lighted airport on my farm, and a 2-manual, 8-rank Wurlitzer theater pipe organ installed in my barn." He's been a GP for six years since returning from Army duty in Germany. His wife, Marilyn, is from Waseca. Their children are Andrea, 8; and Alan, 5.

**Arthur M. McGuire** took a 5-year surgery residency at Hennepin County General Hospital; he's now board certified and practicing alone in Cody, Wyo. Peggy Bergstrom, his wife, was a nurse at HCGH. Their children are Scott, 2½; and Kathryn and Kirsten, twin girls, 1. They are "still adjusting to small town Western living after many years in the big city." Their address is 709 Sheridan Ave.

**Lt. Col. James L. Michie** is chief of ophthalmology at the Valley Forge Army Hospital, in Pennsylvania. He has been in the Army since 1958, and is now overseas on a year's duty in Vietnam. His wife, Evelyn, and William, 8; and Sarah, 5 mos., are home at 516 Virginia Ave., Phoenixville, Pa.

**Joseph P. Mlinar** has spent the last five years as a GP in Austin, Minn., making a total of 10 in general medicine. He is

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married to Joyce Dierdorff of Spring Valley. They are parents of Christine, 8; Joe, 6; and Lynn, 2½, and live at 404 22nd St. NW.

**Jerome H. Modell** is an associate professor of anesthesiology at the University of Miami School of Medicine, and lives at 1111 Sunset Road, Coral Gables, Fla. He trained while on Navy duty 1957-63, and participated in N.A.S.A.'s *Project Mercury*. He joined the staff at Miami after discharge in 1963, and is married to Marilyn Singer of Duluth. Their children are Charles, 14; Jack, 11, and Julie, 9.



Wyatt and Nancy Moe and their twin sons.

**W. Wyatt Moe** is a GP partner with Thomas E. Dredge, Jr. (Med. '59) in Minneapolis, and likes to ski. He and his wife, Nancy, have twin sons, Tim and Peter, 2, and are home on the lakefront at 1220 Loma Linda, Orono, Minn.

**Gene C. Muchow** is a GP with the 14-man Austin, Minn. Clinic. He joined it seven years ago after Air Force duty. He and his wife, Marilyn, live at 2205 5th Ave. NW with their children Jim, 12; Gary, 8, and John, 5.

**John Mulvahill** has a mixed hospital and office practice of psychiatry in Minneapolis. He completed the residency at Minnesota in 1961 and was Board certified in 1966. John served in the Navy during World War II, and is married to Jean Hugos of Minneapolis. Their children are Amy, 11; and Julie, 7. Home address is 7470 Ridgeway Road, Minneapolis. John also teaches at the Medical School.

**Jack A. Naros's** address is c/o of the Crosby, Minn. Clinic.

**Som N. Nayyar's** address is unknown.

**Maj. Andrew A. Nielsen** is a general surgeon with the U.S. Air Force, stationed at Plattsburg AFB, New York. His eight years in service include four spent in France, and he will stay in another four years. His family includes his wife, Thea, and Mark, 12; Renee, 9; Tanya, 5; and Eric, 3. All are competitive swimmers except Eric.

**John A. Nilsen\*** joined Robert G. Wohlrabe (Med. '54) in

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ophthalmology practice in Minneapolis two years ago, after a 1962-65 residency at Mayo Graduate School. He was in the Air Force 1958-60 and is married to Shirley Ree of Montevideo, Minn. Their children are John, Jr., 8; Cynthia, 6; and Karin, 2. Home is at 4420 Fondell Drive, Minneapolis 55435.

**Robert J. Olson** is a solo radiologist in Williston, N.D., his location since 1963. His hobby is raising and showing quarter horses. The family lives at 1504 E. Hillcourt, and includes wife Eleanor, Michael, 12; Robert, 9; Kathleen, 7; Jesse, 3; and Jason, 1. Bob was with USPHS 1957-60.

**Richard Opheim**, a north Minneapolis GP, declares his hobby is "marinating moose roasts in home made wine." More certain is his association of 6 years with the Crystal Clinic. Dick was with the Air Force previously, and now lives at 1551 N. Sumter, Minneapolis, with his wife, Carol, and Steven, 7; Peter, 6; and Heidi, 3.

**Martin W. Orbuch\*** says he's "still looking for a psychiatric cure for baldness but no results yet." He trained 1960-63 at the University, did psychiatry in the Navy, and now practices half time at Hennepin County Mental Health Clinic and half time private from downtown Minneapolis offices. He lives at 3920 Glenwood Ave. in Golden Valley with wife Joyce, and Terri, 9; David, 6; and Debra, 4.

**Ausma Oss-Gabliks\*** lives at 220 Grant Ave., Highland Park, N. J., where she works for the New Jersey state government, and is the wife of Maigonis Gabliks, a research chemist. They have a daughter, Aija, 9. Ausma completed a pediatrics residency in 1961.

**Charles A. Peterson** is a chest and vascular surgeon at the Southdale Medical Building, Minneapolis, since completing a residency in 1964. He and his wife, Judith, have two daughters.

**John A. Peterson's** address is 5212 W. 56th St., Minneapolis.

**Paul H. Pobor's\*** address is 16935 Oak View Dr., Encino, California.

**John W. Pollard\*** is a cardiologist with the 55-man Carle Clinic in Champaign, Illinois. He trained at Mayo and is board certified in internal medicine. John's home is at 1716 Salem Rd. His family consists of wife Gwen, Scott, 10; Anne, 8; and Mark, 4.

**Curtis Reemsnyder** has spent three years with a radiology group in Corpus Christi, Tex., and spends his spare time "cow-punching at our ranch and sailing in Corpus Christi Bay." He

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trained at Mayo and served in the Army, now lives at 5102 Cape Fear with wife, Anna, and Charles, 12; Karen, 7; and Bruce 3.



John W. Pollard



Curtis Reemsnyder



Jerome H. Sacks

**Charles A. Roach** is partner in an ophthalmology practice in St. Paul, and lives at 2481 N. Chatsworth. In 1964 he served aboard the S.S. *Hope* at Guayaquil, Ecuador. Charles and his wife, Virginia, have a new son, Charles, born Oct. 17th, to add to Robert, 9; Catherine, 7; Elizabeth, 4; and Martha, 18 mos.

**James P. Robinson** is overseas with the U.S. Army.

**Arthur J. Rushay** has been a GP since Medical School, the last eight years in White Bear Lake, Minn., where he has two associates including Terry Henderson (Med. '61). Art lives at 3371 Glen Oaks with his wife, Jean, and Susan, 16; Carol, 9; and Janis 8. Art likes to ski despite "a history of four shoulder dislocations."

**John S. Rydberg\*** is a full time assistant professor of anesthesiology at the Medical School, where he completed his residency in 1963. He served in the Army 1958-60, and now lives at 1677 Stanbridge Ave., St. Paul, with his wife, Esther, and John, 5; David, 3; and Constance, 1.

**Jerome H. Sacks** went to southern California in 1964 to practice vascular surgery and teach at the USC School of Medicine. He trained at the Medical College of Virginia, and now lives at 17529 Rancho, Encino, Calif. with offices in Sherman Oaks. Jerry and his wife, Evangeline, have a son, Eric, 15 mos. old.

**Norman J. Sacks** is now located in Toledo, O., and lives at 2641 Falmouth. He took a three-year residency in ophthalmology at the University of Pennsylvania, and is married to Shirley Thorpe. They are parents of Leslie, 7; and Julie, 3.

\*Member, Minnesota Medical Foundation

**Keith Sayther** says he's "enjoying ophthalmology practice in Robbinsdale, Minn. after being a gypsy in the Air Force for eight years." Wife Beverly, and Karin, 10; and Michael, 7 are also happy in their home at 2360 Kyle Ave. N., Golden Valley.

**Jerome J. Scherek** practices OB-GYN solo with offices in downtown and suburban St. Paul, Minn., and "keeps in condition playing handball—wish I'd started 10 years ago." Jerry spent 1959-61 in the Air Force, now lives at 1862 Gluek Lane, St. Paul, with his wife, Barbara, and Kathleen, 10; Traci, 8; Mary Jo, 7; and Barbara, 6.

**George J. Schroepfer, Jr.** is an associate professor of biochemistry at the University of Illinois in Urbana. He received the Ph.D in 1961 from the University of Minnesota.

**Stanley W. Shapiro\*** practices psychiatry solo from offices in downtown Minneapolis, and lives at 14614 Karyl Dr., Minnetonka, Minn. He is Board certified and has a limited outpatient practice with some consulting. Stan trained at the University. He is married to Berta Wittles of Minneapolis. Their children are Elisa, 15; Jan, 12; Brian, 9; and Caryn, 8.

**John R. Shefvland** says he's in family practice in Seattle, Wash. and "loves the Pacific Northwest, especially hiking in the mountains." He lives at 11610 19th Ave. S.W. with his wife, Jean, and Kathryn, 9; Mary, 6; Martha, 4; Steven, 1. John was in the Air Force three years, and took a year's GP residency in Modesto, Calif.



Donald A. Shumrick



Robert W. Wilken

**Donald A. Shumrick\*** is professor and head of otolaryngology and maxillofacial surgery at the University of Cincinnati Medical Center, a full time post for the last 18 months. He served in the Navy during World War II, and lives at 1125 E. Rookwood Dr., Cincinnati, with his wife, Nora, and Kevin,

\*Member, Minnesota Medical Foundation

14; Tim, 13; Terry, 11; Tobin, 9; Erin, 8; Patrick, 7; Michael, 4; Shannon, 3, and a new arrival expected in December.

**H. Nippert Smith\*** is a surgeon in St. Paul, associated with his father, Vernon Smith (Med. '31), Mal Pearson (Med. '35), Gerhard Knutson (Med. '39), Neil Palm (Med. '50), James Ralph and Patrick Daly. Nip's hunting and fishing trophies hang on the walls of the family home at 1321 Pinehurst, St. Paul. He took his surgery residency at Ancker Hospital. His wife, Janet, is mother of Mary Ann, 3; David, 6; and Nippy, 10, who is rapidly learning the Smith family fishing secrets.

**Stanley C. Sollie** is with the Army overseas in the Pacific.

**Anton F. Spraitz** has an OB-GYN practice in St. Paul, Minn. with a partner. He took a residency at the Mayo Graduate School and spent 1958-60 in the Army. He now lives at 1695 Stanbridge Ave. with his wife, Virginia, a U. of M. nurse, and Cynthia, 8; and Kathleen, 5.

**Lennart Suther\*** has been an internist for 4½ years with an 11-man mixed group in San Rafael, Calif. He lives at 78 Marinita Ave., with his wife, Marian, and Dan, 1, and an expected arrival in January. Len served in the Army 1960-62.

**Edwin J. Tanquist, Jr.\*** has been in general practice for seven years in Alexandria, Minn. His home address is 804 Douglas St., and he is married to Bonnie Swenson of Swanville, Minn. Their children are John, 10; Bruce, 8; and Fave, 6.

**Wayne W. Thompson** recently joined a four-man group practice of orthopedics in St. Paul, Minn. with offices in the new Central Medical Building in the Midway. Wayne likes golf and skiing. He and his wife, Beverly, have a son, Kirk, 10, and live at 1677 Millwood, St. Paul.

**Florence A. Toussaint** has a solo psychiatry practice and lives at 844 Trenton Dr., Sunnyvale, Calif. She has been there five years and was former director of psychiatry at El Camino Hosp., Mountain View, California.

**Romil Valgema\*** is a GP practicing with the Robbinsdale Clinic in suburban Minneapolis, which he joined in 1963. He was in the Army prior to Medical School, and lives at 4941 Triton Dr., Golden Valley, with his wife, Leida, and two sons, Allan, 15; and Mark, 8.

**Frank W. Van De Water\*** has spent 6½ years in a group practice of otolaryngology in Denver, Colo., since completing a residency at Minnesota. He teaches at the University of Colorado and is married to Karen Holmgren of St. Paul. They live at 748 Race St. with two daughters, Lynn, 4½; and Amy, 1½.

\*Member, Minnesota Medical Foundation

**Paul S. Van Puffelen** is an orthopedic surgeon in Duluth, Minn. He spent two years in the Air Force and took a residency at Mayo, and now lives at 4810 Colorado Ave. with his wife Polly, and Paul, Jr., 5; David, 3; and Julie, an infant.

**Lt. Col. Ralph F. Wells** is presently C.O. of the Army's 61st Medical Bn. in Vietnam, and expects to return to San Antonio next June as chief of gastroenterology at Brooke General Hospital. His wife, Barbara, and Laurie, 11; and John, 8; are living at 210 Lamont, San Antonio, Texas, in the interim.

**Robert W. Wilken** and his family, (wife Marilyn; Kathryn, 8; Kristen, 7; David, 6; and Daniel, 4) are "truly converted to the West Coast living" in Eugene, Ore., where Bob has been a group radiologist for four years. Their home is a 732 E. 22nd Ave., and Oregon "is the place to be if you enjoy the outdoors," he writes. Bob was in the Air Force 1958-60.

**Joseph O. Young\*** took an ophthalmology residency 1960-63 at Minnesota and now practices alone in Redlands, Calif. He lives at 1124 Cedar Ave. and is very active in local civic and youth education activities. He teaches at Loma Linda and is married to Nancy Jokela of Duluth. Their children are Laura, 9; Andrew, 7½, and Jennifer, 4.

**Solomon J. Zak** lives at 14704 Karyl Dr., Hopkins, Minn., and practices internal medicine alone in downtown Minneapolis. Sol also teaches at Hennepin County General Hospital, and served in the Air Force prior to Medical School. He and his wife, Elsie, are parents of Andrew, 5½, and Karen, 4.

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\*Member, Minnesota Medical Foundation

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NEXT: THE CLASS OF 1947

## Early Histochemical and Ultrastructural Responses to Brain Anoxia/Ischemia\*

Donlin M. Long, M.D.†

The study of central nervous system ischemia and hypoxia is currently a popular experimental and clinical topic. A great deal of information is available concerning pathogenesis, morphology, treatment, and prognosis of strokes of many descriptions. However, in general these studies deal with changes which are the final sequellae of the acute insult. In order to properly interpret these abnormalities the elucidation of early and possibly reversible metabolic and structural alterations occurring in the affected brain tissue is of considerable importance.

### *Methods*

Hypoxia was produced in adult macaca mullata monkeys by respiring the animals with nitrogen under pentobarbital anesthesia. Newborn monkeys of the same species were made hypoxic by asphyxiation prior to the first breath after caesarean delivery. Blood pO<sub>2</sub>, pCO<sub>2</sub>, lactate, and pH were measured in all.

Several ischemic preparations were employed to provide a gradation of lesion severity. Adult and newborn rats underwent bilateral carotid ligation; adult cats and rabbits were subjected to aortic ligation in order to devascularize the lumbar spinal cord.

Fixation was obtained in all animals by perfusion or immersion with aldehyde in a variety of buffers. Hematoxylin-eosin, Luxol-fast blue, gold chloride, silver carbonate, and Holzer stains were used for light microscopy. Evan's Blue-albumin (EBA) or fluorescein-conjugated albumin (FLA) were injected into all animals for fluorescence microscopy. Glycogen and a representative group of glycogen-metabolizing, respiratory, hydrolytic, and proteolytic enzymes were determined histochemically. Electron microscopy was performed in all groups, and

\*From a report to the Staff Meeting of University Hospitals on Nov. 17, 1967

†Assistant Professor, Division of Neurosurgery

thorium dioxide and horseradish peroxidase electron opaque tracers were utilized to study the blood-brain barrier.

### *Results*

Adult monkeys subjected to severe degrees of hypoxia developed large amounts of glycogen in cortical astrocytes within one hour of the insult. There was simultaneous depression of respiratory enzyme activity with increase in glycogen metabolizing enzymes. No change in blood-brain barrier function occurred. EM changes were limited to pyknosis of neurons with mitochondrial and ergastoplasm swelling.

Newborn monkeys also developed widespread astrocytic glycogen within 10 hours of asphyxiation. Glycogen was most prominent within astrocytes. There were increases in glycogen-metabolizing enzymes, and evidence for focal disruption of the blood-brain barrier. In both groups of animals the abnormalities essentially disappeared within 24-48 hours. There were no light microscopic abnormalities in the areas of enzymatic change.

Carotid ligation in adults rats resulted in no morphological abnormalities. However, 24 hours later these animals developed wide-spread cortical astrocyte glycogen with the expected increases in glycogen-metabolizing enzymes. Newborn rats subjected to carotid ligation presented a different picture. Glycogen appeared only in the white matter glia; typical cerebral edema developed; and the animals rarely survived more than 48 hours. Changes in blood-brain barrier to albumin did not occur in either group.

A combination of carotid ligation and  $N_2$  inhalation caused focal areas of encephalomalacia with local disruption of the blood-brain barrier and edema. A widespread transient accumulation of glial glycogen also occurred within four hours. Typical post-injury glycogen reappeared in reactive astrocytes at about 7 days.

Ligation of the abdominal aorta in cats and rabbits led to infarction of a portion of the anterior cord. This was surrounded by an area of ischemia; the posterior half of the cord remained normal. In the ischemic portions of the cord glycogen appeared in neurons in one-half hour, peaked at 24 hours, and disappeared by 48 hours. The expected rise in glycogen-metabolizing and fall in respiratory enzymes occurred. The blood-brain barrier remained intact and no light microscopic abnormalities were evident.

### *Discussion*

While the preparations are diverse the basic pattern of response was the same. Glycogen appeared rapidly in areas of

normal histology in astrocytes and neurons. Depression of respiratory and protein metabolizing functions occurred simultaneously. It must be emphasized that these are not the well-known changes which occurred around areas of focal necrosis in reacting glial cells. On the contrary, they were rapid ( $\frac{1}{2}$ -24 hours), reversible, and unaccompanied by morphological abnormalities otherwise. It is postulated that these represent a primary response of the central nervous system to anoxia/ischemia, and reflect preferential protection of vital oxidative metabolism by curtailment of non-vital cellular functions resulting in surplus glycogen and glucose for maintenance of cell life.

## Microbiology

### Leptospira and the Leptospiroses\*

Russell C. Johnson, Ph.D.†

A little over 50 years ago Inada and co-workers isolated the causal agent of Weil's disease which they named *Spirochaeta icterohaemorrhagiae*, now known as *Leptospira icterohaemorrhagiae*. Since this initial isolation, other serotypes of leptospire have been found to be responsible for various human and animal infections.

Leptospirosis is primarily a zoonosis and man is an accidental host with little or no transmission of the disease from man to man or from man to animal. Today leptospirosis is one of the most widely distributed of the zoonoses. Pathogenic leptospire have been isolated from over 120 species of wild life mammals. The leptospire are excreted with the urine and thus are a potential source of infection to domestic animals and humans.

Nutritional studies have revealed the growth requirements of these spirochetes to be quite simple. The majority of the leptospire will grow in a medium containing: an unsaturated fatty acid such as oleic acid bound to albumin, an inorganic ammonium salt, vitamins B<sub>1</sub> and B<sub>12</sub> plus mineral salts. In con-

\*From a report to the Staff Meeting of University Hospitals on December 1, 1967.

†Assistant Professor, Department of Microbiology

trast to most pathogenic bacteria, the leptospire cannot use carbohydrates or amino acids as a major carbon source, nor can they use amino acids as their primary nitrogen source. Their nutritional requirements may be a reflection of their natural habitat, the convoluted tubules of the mammalian kidney.

Since clinical materials available for culture are frequently contaminated, a selective medium would be of value for the isolation of leptospire. Metabolic studies on the leptospire demonstrated they are unable to utilize pyrimidine analogues such as 5'fluorouracil. Because 5'fluorouracil exerts a marked inhibitory effect on the growth of many bacteria it was incorporated into a selective medium for the isolation of leptospire. This selective medium has been successfully used both in the laboratory and for isolations made in the field.

The basis for leptospiral pathogenicity remains unknown. No metabolic product or cellular component has been clearly shown to be involved in the pathogenesis of the disease. The only characteristic directly associated with the virulent leptospire is their resistance to the antibody-complement system. Avirulent leptospire are rapidly killed by antibody and complement, whereas the virulent leptospire remain viable.

Until recently the pathogenic leptospire were classified entirely on antigenic composition. Now, through the use of DNA homologies (Haapala *et al.*), lipase activity and sensitivity to the purine analogue, 2, 6 diaminopurine, the pathogenic leptospire can be divided into two groups. It is significant that among these two groups, intra-group cross-immunity exists, whereas inter-group cross-immunity does not. These findings are important in the understanding of cases of double or super-infections and in the preparation of prophylactic vaccines.

The thin flexible helically coiled leptospire are also of interest because of their unusual morphology. Electron microscopy of the leptospire has shown the following major structures to be present: (1) A membranous sheath which surrounds the organism. This sheath is comprised of three electron dense layers and appears to resemble the cell membrane of Gram-negative bacteria. However, in other bacteria this membrane is located beneath the cell wall, whereas in the leptospire it lies external to the cell wall. It is on this structure of the leptospire where the action of complement is manifested resulting in an irreversible loss of permeability control in the avirulent organisms. (2) The second layer encloses the protoplasmic cylinder and contains two electron dense layers. This layer contains cell wall material and is sensitive to the action of lysozyme. (3) Located between the outer sheath and the cell wall are two independent axial filaments originating from opposite ends of the cell.



**CORRECTIONS TO FACULTY ROSTER, 1967-68**  
 (University of Minnesota Medical Bulletin – September 1967)

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**MEDICINE**

**DIVISION OF  
INTERNAL MEDICINE**

*Clinical Associate Professor*  
James C. Dahl

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**OTOLARYNGOLOGY**

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Professor and Head

*Professor*

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W. Dixon Ward  
Henry L. Williams

*Professor Emeritus*

Lawrence R. Boies  
Henry V. Hanson

*Clinical Professor*

Jerome A. Hilger  
Robert E. Priest

*Clinical Professor Emeritus*

Anderson C. Hilding

*Associate Professor*

Arndt J. Duvall, III

*Clinical Associate Professor*

Albert Hohmann  
Conrad J. Holmberg  
Kurt Pollak

*Assistant Professor*

Sung Kyun Juhn

*Clinical Assistant Professor*

Benjamin Bofenkamp  
John Glaeser  
John S. Huff  
Bradley Kusske  
Douglas Kusske  
Hyman M. Paisner  
Robert Richardson  
Melvin E. Sigel

Graham Smith  
George V. Tangen  
Harold Ulvestad

*Clinical Instructor*

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Lawrence R. Boies, Jr.  
David J. Buran  
Barclay M. Cram  
Ekrem Gczum  
John E. Hilger  
Morton C. Kane  
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Severin Koop  
Richard A. Lund  
Evan Nelson  
Thomas A. Stengl

*Research Specialists*

Tomoyuko Heshino  
Isuzu Kawabata

*Medical Fellows*

George Adams  
Joseph Crowley  
Robert Dickson  
James Dunn  
Gary Garvis  
Curtis Groot  
Richard Gunnarson  
Arvid Johnsen  
Jay Kent  
Glenn Kietzer  
Roger Murken  
Daniel Murphy  
Charles Nelms  
Harvey Paley  
Richard Schlorf  
Laurence Winter  
John N. Youngs

**AUDIOLOGY AND  
COMMUNICATIVE  
DISORDERS**

*Professor*

Frank M. Lassman

*Associate Professor*

Joseph C. Chaiklin

*Assistant Professor*

Max McClellan

*Instructor*

Raymond A. Stassen  
(Assistant Director,  
Audiology Clinic)  
Richard Hoel  
Otis Whitcomb

*Research Fellow*

Elaine Engelbart  
David Nelson

*Lecturer*

Anne Seltz

*Clinical Audiologist*

Helen Gladwin  
Gloria Gross  
Sandra Schipper  
Joye Sigelman

*Speech Pathologist*

Carol Becklund  
Judy Edmands

*Graduate Fellows*

Lewis Bishop  
Norman Cannell  
Timothy N. Doyle  
Mollie Richardson  
Dorothy Valeska  
Trudy Vines  
Douglas Wendler

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**SURGERY**

**DIVISION OF  
GENERAL SURGERY**

*Clinical Assistant Professor*

Earl G. Yonehiro

**DIVISION OF  
NEUROSURGERY**

*Clinical Instructor*

William G. Gamble

# Medical Foundation News

## Scholarship Program Aiding

### 12% of Medical Students

The largest scholarship program in its history was allocated by the Minnesota Medical Foundation for the 1967-68 academic year at the University of Minnesota Medical School.

Seventy two members of the 650-member student body (12%) are receiving scholarship assistance from the Foundation this year. Their combined benefits amount to \$39,550. Individual scholarships range from \$250.00 to a high of \$1,000.00. Most are \$500.00, with an increasing number at \$750.00.



This year's allocation compares to the inaugural year of the Scholarship Fund when in 1949 five scholarships of \$500 each were awarded in modest but hopeful ceremonies. Dr. O. H. Wangenstein and the late Dr. Donald J. Cowling were instrumental in establishing the Founda-

tion's scholarship program 18 years ago. Since then, 638 scholarships have been awarded, totalling \$337,770.

The 1967 scholarships were awarded at the 28th Annual Meeting of the Minnesota Medical Foundation held September 25, 1967 at the Campus Club on the University campus. Dr. Karl W. Anderson, Foundation president, presided, and Dr. John S. Najarian, newly appointed chief of surgery at the Medical School, was main speaker. His topic was "*The Future of Transplantation.*" A capacity audience attended.

Also honored that evening was Dr. Ronald J. Elin (Med. '66), who received the \$500.00 *Cyrus P. Barnum, Jr. Memorial Teaching Fellowship*. Dr. Elin is a teaching assistant in the Department of Biochemistry and a combined MD-PHD program candidate. He was the second young teacher to receive the prize honoring the memory of Dr. Cyrus P. Barnum, Jr., former professor of Biochemistry.

Four new members of the Board of Trustees were elected and two more were re-elected by the Foundation.

Elected were **Earl E. Bakken**, President of Medtronic, Inc., Minneapolis; **Lewis W. Lehr**, Manager, Medical Products Division, 3-M Co., St. Paul; **Dr. Charles A. Neumeister** (Med. '48), Minneapolis; and **Harold Van Every**, Bankers Life Insurance Co., Minneapolis.

THE MEDICAL BULLETIN

Re-elected were **M. E. Herz**, President, Modern Medicine Publications, Inc., Minneapolis; and **Dr. O. M. Heiberg**, (Med. '34), Worthington, Minn.

Thirty four persons presently serve as trustees of the Minnesota Medical Foundation. The Foundation is housed in offices provided for it at the University of Minnesota Medical Center. There are two full time employes, assisted by two part time employes. Full time management of the Foundation was undertaken in 1959 when Mr. Eivind O. Hoff, Jr. was appointed executive director. The Foundation was chartered, however, in 1939.

Students receiving the 1967-68 Scholarships from the Foundation were:

Albers, David G., '71	Hanson, Milton C., '70	Rafferty, Robert F., '69
Bennett, Forrest C., '70	Heithoff, Kenneth B., '69	Reuter, Nicholas F., '70
Bergman, John, '68	Hoidal, John R., '69	Rockswold, Gordon A., '70
Blewett, Benton D., '70	Horn, Allen L., '71	Rozycki, Thomas J., '70
Bruce, Robert M., '68	Jacobson, Robert B., '70	Schiller, Philip J., '71
Burns, Richard S., '69	Jagunich, Barbara J., '71	Schmiesing, Don C., '69
Carter, Darrell L., '71	Julsrud, Paul R., '71	Schulte, Terrence A., '68
Carter, John B., '69	Keohane, John C. Jr., '68	Shimp, Williams S., '70
Carter, Kenneth R., '68	Krook, James E., '69	Sigdestad, Joel B., Jr., '68
Crary, John L., '69	Latchaw, Richard E., '68	Soltis, Ronald D., '68
Cuestas, Raul A., '70	Lewis, Darrell V. Jr., '69	Sorenson, Ronald M., '70
Daleiden, James P., '69	Lindquist, Wesley L., '69	Spilseth, Paul M., '69
Derksen, D. Jon, '70	Mahowald, Mark W., '68	Steidler, Richard E., '69
Dixon, Suzanne D., '71	Mersy, David J., '68	Strom, James C., '70
Doebler, William C., '69	Miller, James D., '69	Tripp, Michael R., '71
DuCharme, Richard J., '69	Molde, Kent D., '70	Twito, Donald I., '70
Erickson, Carlton R., '68	Monda, Donald A., '69	Ullrich, Irma H., '69
Flood, William L., '70	Nacht, Larry E., '68	Veits, Harold R., '70
Frenning, Daniel H., '70	Nelson, Ralph E., Jr., '68	Vorpahl, Thomas E., '70
Frost, Allan R., '68	O'Connell, Michael J., '69	Walta, Douglas C., '68
Gage, John W., '71	Olsen, Richard D., '71	White, Thomas C., '68
Gebhard, Roger L., '69	Perrelli, W. Vincent, '68	Wright, Margaret E., '68
Gilchrist, David R., '69	Perschau, Richard A., '69	Wrigley, John V., '70
Gross, Stuart I., '69	Quale, James L., '69	Zieve, Sandra, '69



## Scholarship Appreciation Fund

The Scholarship Appreciation Fund of the Minnesota Medical Foundation is a special fund supported by former holders of scholarships. Its purpose is to assure the future of the Foundation's scholarship program, and to establish a tradition of self-support for this important activity. All gifts and pledges to the Scholarship Appreciation Fund are earmarked for the endowment of the medical scholarships program. Dr. M. M. Goldfine, Oakland, Calif., is chairman of the fund. Approximately \$40,000 has been given or pledged to date.

The Foundation recognizes with gratitude the fifty-one Medical School alumni who have pledged or contributed to the Scholarship Appreciation Fund:

Yossef Aelony '65	C. Lee Harris '52	LaVonne Painter '58
Dale L. Anderson '59	Mary C. Howell '62	David G. Piepgras '65
Gerald J. Anderson '58	Edward G. Huppler '52	Frederick L. Ramlall '56
Lucy Balian Rorke '57	Vincent R. Hunt '60	G. Nicholas Rogentine '62
Louis W. Banitt '58	James R. Jude '53	Jerome J. Scherek '57
Charles I. Benjamin '65	Lowell H. Kleven '58	Lawrence J. Schut '62
Ralph W. Bergstrom, Jr. '64	Nancy R. Lund '62	Stanley W. Shapiro '57
Robert S. Brown '64	Donald S. Mattson '54	David E. Siewert '60
Harley C. Carlson '51	David W. McQuoid '61	James A. Silver '58
George M. Crow '57	Gerald G. Mindrum '61	George Skaff '59
Leland Fairbanks '57	John G. Mulrooney '65	Laurence S. Rivkin '62
Jon O. Flom '66	Norman A. Nelson '50	John E. Sutherland '62
Charles N. Gamble '55	Sidney Nerenberg '54	Joseph W. Teyner '53
M. Melvin Goldfine '57	John A. Nilsen '57	Omar A. Tveten '55
Roland M. Hammer '58	Karen Olness Torjesen '61	Paul W. Vander Kooi '65
Eugene W. Hanson '56	Norman D. Olson '65	Frank Van de Water '57
Barbara Hanson Subak '55	Avrin M. Overbach '66	Joseph J. Westermeyer '61

## Scholarship Fund Honor Roll

The Foundation expresses its gratitude to the following supporters of the 1967 Scholarship Fund:

Adams Clinic, Hibbing, Minn.	Hart Press
Alpha Omega Alpha Honor Medical Society	Dr. Charles N. Hensel Memorial Endowment Fund
Advance Foundation, Inc.	Dr. and Mrs. F. W. Hoffbauer Memorial Fund
Dr. and Mrs. Karl W. Anderson Bayport Foundation	Mr. and Mrs. C. E. Howard
Raymond N. Beim Foundation	Dr. Harry A. Johnson Memorial Fund
F. R. Bigelow Foundation	Margaret H. and James E. Kelley Foundation
Dr. Sidney C. Blackmore Memorial Fund	Dr. Arthur C. Kerkhof Memorial Fund
Mrs. Frank W. Bowman	George Macpherson Fund
Ruth Cranston	Mankato Clinic, Mankato, Minn.
Grace B. Dayton Memorial Endowment	Samuel Maslon Foundation
Roger L. Dell Memorial Fund	Mayo Foundation, Rochester, Minn.
Stanley Dwinnell	Frank E. McNally Foundation
Executives' Secretaries, Inc.,	MidAmerica Mutual Life Ins. Co.
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M. Melvin Goldfine, M.D.	Minneapolis Society of Internal Medicine
Lisa Brooks Gregory Memorial Fund	Minnesota Mutual Life Ins. Co.
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## THE MEDICAL BULLETIN

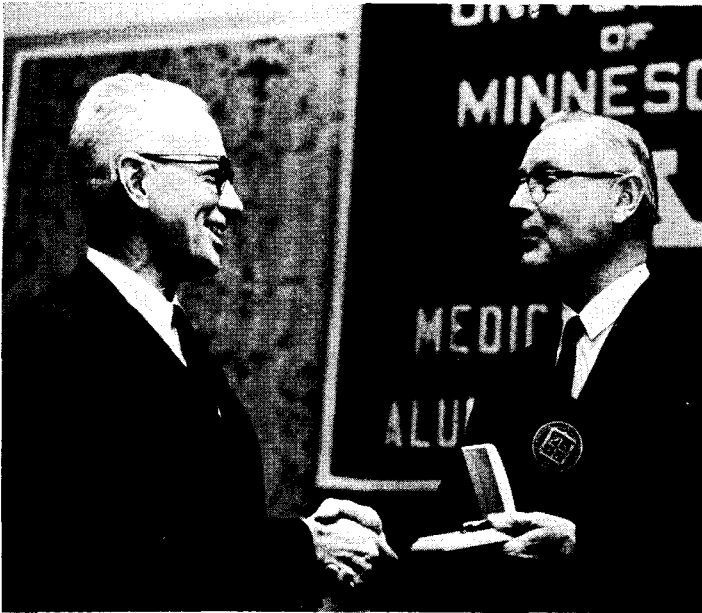
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Endowment Fund  
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Harold W. Sweatt  
Tozer Foundation  
Dr. H. P. Van Cleve  
Dr. Percy A. Ward Memorial Fund  
Worthington Clinic, Worthington, Minn.  
Anonymous  
Anonymous  
Anonymous  
Anonymous

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### *Alumni Notes*

Dr. Theodore R. Fritsche (right), a distinguished ophthalmologist from New Ulm, Minn., received the 1967 *Harold S. Diehl Award* from the Minnesota Medical Alumni Association. Linneus G. Idstrom, Association president, presented the award to Dr. Fritsche (Med. '31) at the 30th Annual Homecoming Banquet held October 20th at the St. Paul Hilton Hotel.



The Homecoming Banquet and Dance was a highlight of the 2-day Medical Alumni Reunion. Attendance was more than 340 persons. Graduates of the Medical School came for the occasion from throughout the U.S. They enjoyed a tour of the University of Minnesota Medical Center, an address by Dean Robert B. Howard at the regular University Hospitals medical staff meeting, and class scientific programs with research papers presented by class members.

A brunch on Saturday morning was a delightful prelude to the tastiest morsel of all—Minnesota's 21-0 Homecoming victory over Michigan State in the brilliant Fall sunshine at Memorial Stadium.

Special honors were accorded the classes of 1957, 1942 MB, 1937 MB, and 1917. Dr. Einar Andreasson of Minneapolis was among four 1917 graduates on hand and he spoke for the 50-year class at the Banquet. Dr. Lloyd Sherman spoke for the Class of '37; Dr. Clarence "Gus" Rowe for the Class of '42; and Dr. Fred A. Lyon for the Class of '37.

Dr. Fritsche's family and relatives were guests of the Association for the Banquet. The plaque which he received from the association was inscribed as follows:

*The Alumni Association Of The University Of Minnesota  
Medical School*

*In Behalf Of More Than 6000 Medical Alumni  
Takes Pleasure In Presenting To*

THEODORE R. FRITSCHÉ

*The Harold S. Diehl Award For Outstanding Service  
On The Occasion Of The 30th Annual Meeting  
Of The Medical Alumni Association*

*Distinguished Alumnus Of The University Of Minnesota  
Loyal Supporter Of Alumni Association Activities  
And The University Of Minnesota*

*Respected Leader Among Minnesota Physicians And  
Prominent Specialist In Ophthalmology*

*Officer, Director, And Board Member Of Numerous  
Medical and Specialty Organizations*

*Community Statesman In New Ulm and  
Southern Minnesota*

*Avid Student Of Minnesota History And Enthusiastic  
Guardian Of The Rich Heritage Of His Native State*

A 48-page **MEDICAL STUDENT DIRECTORY** has recently been published by the Minnesota Medical Foundation for students at the University of Minnesota Medical School. The 1967-68 **DIRECTORY** contains names and addresses of 650 students currently enrolled, and was distributed free to students and faculty.

Alumni may obtain a free copy of the **DIRECTORY** by writing to the Minnesota Medical Foundation, Box 193, University Hospitals, Minneapolis, Minn. 55455. Distribution is on a first come, first served basis while the supply lasts.

#### 46,088 ENROLLED AT UNIVERSITY

Enrollment at the University of Minnesota for the fall quarter, 1967 was up 4.7% over a year ago to a total of 46,088 full time students. This included 39,834 students attending regular daytime classes on the Minneapolis and St. Paul campuses. The remainder are enrolled in University branch campuses at Duluth, Morris, and Crookston, Minn. Six hundred twenty eight are presently registered in the Medical School.



## *Medical School News*

Dr. C. Donald Creevy, head of the Division of Urology, has resigned from the faculty effective January 1, 1968. He will take early retirement from the University of Minnesota and begin the private practice of urology in Minneapolis.

Dr. Creevy, 65, has been professor and head of urology since 1949, and is a former assistant dean of the Medical School. He has been on the faculty since 1927, and is a 1926 graduate of the Medical School.



C. Donald Creevy



Robert Mulhausen



Richard M. Magraw

Dr. Robert Mulhausen has joined the Medical School administration as an assistant dean of the College of Medical Sciences. He was formerly assistant chief of medicine at Minneapolis V. A. Hospital, and served 11 years on the staff there. He assumes the duties of former associate dean N. L. Gault, Jr., which is concerned with liaison between the Dean's office and outside agencies, especially with regard to planning for physical facilities.

Dr. Mulhausen, 37, is a native of Berwyn, Ill., and graduate of the University of Illinois School of Medicine. He interned at the old Ancker Hospital, St. Paul, and is a diplomate of the American Board of Internal Medicine.

The appointment of Dr. Richard M. Magraw as assistant director for extramural relations of the Bureau of Health Services, U.S. Public Health Service, was announced recently in Washington, D.C. by Surgeon General William H. Stewart.

Dr. Magraw is on leave from the University of Minnesota Medical School, where he was former director of the Comprehensive Clinic program. He is author of a widely-acclaimed book, "Ferment in Medicine," published in 1966.



### ANESTHESIOLOGY

Dr. Frederick Van Bergen, head of the Department of Anesthesiology, was elected president of the 60-member Academy of Anesthesiology at its 36th annual meeting held September 25th in Scottsdale, Ariz.

### CLINICAL PSYCHOLOGY

Two members of the Clinical Psychology Division of the Medical School were honored early this Fall by the American Psychological Association.

Dr. Paul E. Meehl received the "Distinguished Contributor to Clinical Psychology" prize. He is a professor of clinical psychology and certified consulting psychologist in Minneapolis.

Dr. Norman Garnezy received the APA's *Stanley R. Dean Award* for "basic contributions to the study of schizophrenia." He is also a professor of clinical psychology at Minnesota, under the Department of Psychiatry and Neurology.

### SURGERY

Dr. Henry Buchwald, assistant professor of surgery, was winner of the 1967 *Samuel D. Gross Prize* of the Philadelphia Academy of Surgery. He is the third Minnesotan to be so honored, following Dr. O. H. Wangenstein (1935) and Dr. George C. Moore (1950).

*The Samuel D. Gross Prize* consists of a \$1,500.00 honorarium given approximately every five years for an original contribution to the field of surgery. Dr. Buchwald's prize-winning research essay was titled "A Laboratory and Clinical Study of Cholesterol Metabolism and Atherosclerosis as Influenced by Partial Small Intestinal Exclusion."

Dr. Buchwald, 35, is also an established investigator of the American Heart Association. He received the Ph.D. in surgery from the University of Minnesota in 1966.

### UROLOGY

Dr. Theodore H. Sweetser, Sr., 74, retired chief of urology at Hennepin County General Hospital, died October 8, 1967 in Minneapolis. He was on the faculty of the Medical School from 1919 until 1962, when he became emeritus. For his work at General and St. Mary's Hospital, Minneapolis mayor Arthur Naftalin presented him with a distinguished service award for working "many hours without pay and spending untold hours training hundreds of young physicians and helping the people of Minneapolis by raising standards of medical care."

Survivors include a son, Dr. Theodore H. Sweetser, Jr., and a brother, Dr. Horatio B. Sweetser, both of Minneapolis.

## *Alumni Deaths*

◆ 1919

Dr. Irl Randall Davis, St. Louis, Mo. Died Aug. 12, 1967, aged 78 years, of coronary artery thrombosis. For many years he was associated with DePaul Hospital.

◆ 1929

Dr. Rudolph F. Nielsen, Cedar Falls, Ia. Died August 25, 1967, aged 64, of coronary occlusion.

◆ 1930

Dr. Norman W. Anderson, Topeka, Kans. Died September 11, 1967, at the age of 63. He was with the Kansas State Health Dept. and retired former C.O. of the Munson Army Hospital in Ft. Leavenworth, Kans.

◆ 1940

Dr. Henry Joseph Wegrocki, Los Angeles, Calif. Died August 27, 1967 of Hodgkin's disease. He was 58 years old and on the clinical faculty of psychiatry and neurology at U.S.C.

◆ 1941

Dr. Alfred T. Kapsner, Princeton, Minn. Died June 2, 1967, aged 53 years, of ileocolitis. He was a veteran of World War II.

◆ 1957

Dr. John A. Berman, Oakland, Calif. Died August 7, 1967. He was 35 years of age.

### **MEMORIALS**

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

Mrs. Ruth Dobrin	Ferd M. Merritt
Mrs. Robert Kittle	Dr. Arthur F. Sether
Mrs. Ruth Luchsinger	Morton L. Shapiro
Mrs. Camilla Martinson	Mrs. Marguerite Whaley
Mrs. Christ Wilkening	

Memorial gifts are a thoughtful means of honoring the memory of a relative, friend, or colleague. Gifts may be designated for specific purposes. The Minnesota Medical Foundation acknowledge all gifts to both donor and next of kin.

# COMING EVENTS

*University of Minnesota Medical School*

## CONTINUATION COURSES FOR PHYSICIANS

### 1967

- Nov. 8 - 10 ..... Neurology  
Nov. 15 - 17 ..... Ophthalmology (Refraction)  
Nov. 30 - Dec. 2 ..... Orthopedic Surgery  
Dec. 6 - 7 ..... Pulmonary Diseases

### 1968

- Jan. 18 - 20 ..... Otolaryngology  
Jan. 25 - 27 ..... Gynecology  
Feb. 8 - 10 ..... Psychiatry  
Feb. 19 - 21 ..... Internal Medicine  
April 15 - 19 ..... Proctology  
April 20 ..... Trauma  
April 29 - May 1 ..... Ophthalmology  
May 23 - 25 ..... Surgery  
May 23 - 25 ..... Anesthesiology

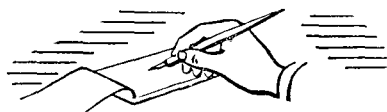
### *You and Your Will*

Alumni and friends of the Medical School are urged to name the Minnesota Medical Foundation as a beneficiary in their will. The following form is suggested:

*"I give to the Minnesota Medical Foundation the sum of \_\_\_\_\_ dollars, to be used in its work by direction of its Board of Trustees for the benefit of the University of Minnesota Medical School."*

Funds may be bequeathed for specific purposes. For further information, contact the Executive Director, Minnesota Medical Foundation, 1342 Mayo Bldg., University of Minnesota, Minneapolis, Minn. 55455. Telephone: (A.C. 612) 373-8023.

## MEMO ON TAX-WISE GIVING



A \$100 contribution to the 1967-68 Medical Alumni Fund by a single alumnus having a taxable income of \$20,000 a year really costs only \$55.

Only part of it comes from the taxpayer's pocket, and the government, in effect, pays the rest by reducing the taxpayer's income tax.

Following is a table figured for the actual cost of a \$100 deductible contribution. The tax tables reproduced in the 1967 edition of *Your Federal Income Tax* were used as a basis in the preparation of the table.

Taxable Income	Married Man	Single Man	Head of Household
\$ 8,000	\$81	\$78	\$80
12,000	78	68	73
20,000	72	55	64
28,000	64	47	55
36,000	58	45	52
40,000	55	42	48
50,000	50	40	45

— 1967-68 MEDICAL ALUMNI FUND —

Mail a gift check today to the Minnesota Medical Foundation. Gifts may be earmarked for any purpose at the Medical School.

**MINNESOTA MEDICAL FOUNDATION**

Box 193 — University Hospitals

Minneapolis, Minn. 55455