MAYO CLINIC

Mayo Clinic
Distinguished Alumni Award
August 13, 2010

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Mayo Clinic Distinguished Alumni Award

Honoring excellence in patient care, research and education

The Mayo Clinic Board of Trustees established the Mayo Clinic Distinguished Alumni Award in 1981 to acknowledge and show appreciation for the exceptional contributions of Mayo alumni to the field of medicine, including medical practice, research, education and administration. Individuals who have received the award have been recognized nationally and often internationally in their fields.

The Distinguished Alumni Award recognizes the outstanding attributes and accomplishments of individuals who have served at high levels in all aspects of their respective fields.

David Clapham, M.D., Ph.D., Eugene Kern, M.D., Bernard Morrey, M.D., and John Stobo, M.D., are awarded the 2010 Mayo Clinic Distinguished Alumni Award, adding their names to a select group of individuals who have exemplified Mayo Clinic's ideals and mission.

2010 Recipient
Mayo Clinic Distinguished Alumni Award

David Clapham, M.D., Ph.D.

Aldo R. Castañeda Professor of Cardiovascular Research: Harvard Medical School

Director of Cardiovascular Research, Children's Hospital Boston

Professor of Neurobiology, Harvard Medical School

The Manton Center for Orphan Disease

Ecumenical leader on ion channel research

Mayo Clinic, 1987–1996, consultant, Departments of Pharmacology, Physiology and Biophysics; Professor of Pharmacology and Professor of Physiology and Biophysics

Fellowship: Max Planck Institute, Gottingen, Germany

Residency (Internal Medicine): Brigham and Women's Hospital, Boston

Medical school: Emory University School of Medicine, Atlanta

Graduate (Ph.D.): Emory University

Undergraduate: Georgia Institute of Technology, Atlanta

Native of: Fort Worth, Texas

David Clapham, M.D., Ph.D., focuses his research on membrane receptors, G proteins and ion channels; and intracellular calcium in signal transduction. His research is funded by the National Institutes of Health, and Dr. Clapham has trained more than 70 post-doctoral fellows.

In 1983, Dr. Clapham trained in Germany with Erwin Neher, Ph.D., the co-inventor of a technique called patch-clamping. In this technique, a small glass tube is placed on a cell's membrane, and the current is measured from a single ion channel, or the patch is ruptured and currents are measured from the entire cell. Dr. Neher and Dr. Bert Sakmann won the Nobel Prize in 1991 for developing the technique. More than 20 years later, Dr. Clapham's research team became the first to patch-clamp mitochondria. In 2006, Dr. Clapham published work showing that mitochondria membranes could be patch-clamped. The team discovered an ion channel that imports calcium to boost energy production, and ion channels that are found only

in human sperm. These channels are necessary for sperm to penetrate the egg. In groundbreaking work, Dr. Clapham's team was the first to patch-clamp sperm, allowing the first recordings of electrical activity in these cells. The research team discovered that CatSper (cation sperm channels) channels bring in calcium, revving up sperm and changing the way it swims, giving it the power to penetrate the egg.

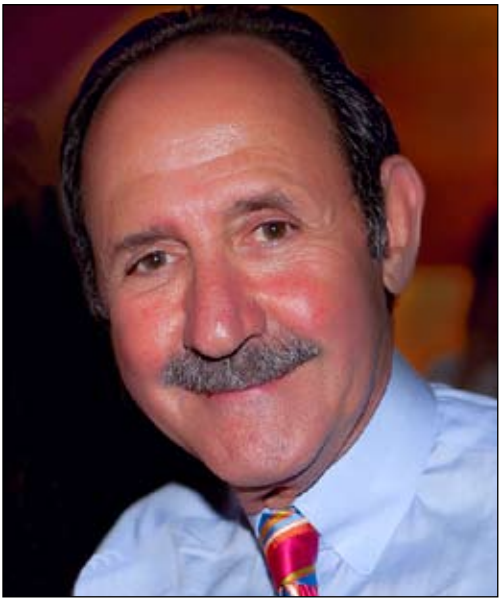
Dr. Clapham has authored more than 230 papers, and presented more than 100 symposia and plenary lectures around the world. He has served on 16 editorial boards, including associate editor of *Neuron*, *Cell* and *Journal of General Physiology*. He has served on 25 national and international review committees.

Dr. Clapham is a fellow of the American Academy of Arts and Sciences and American Association for the Advancement of Science. He was elected to the National Academy of Sciences and has received awards including the Basic Science Award from the American Heart Association, Cole Award from the Biophysical Society, Glaxo Cardiovascular Discovery Award, Established Investigator Award from the American Heart Association, American Society of Clinical Investigation Award for Research and Contributions to the Biomedical Community, and Bristol Myers Squibb Award for Distinguished Achievement in Cardiovascular Research.

"When one first meets Dr. David Clapham, one sees a somewhat quiet, reserved, compassionate, caring individual. Those are great qualities for any person, especially beneficial for a physician. Further interactions reveal him to be a brilliant scientist with unlimited creativity, enthusiasm and love for biomedical research. His contributions to the understanding of intracellular calcium signaling and calcium channeling in cardiac arrhythmias and smooth muscle function has received international acclaim. In addition to his remarkable education and mentoring achievements, he has received numerous scientific honors and awards, culminating in a Howard Hughes Investigative Professorship and election to the National Academy of Sciences. Dr. Clapham continues to make contributions in medical research regarding heart muscle function at the molecular level, which has and will continue to contribute to the development of therapeutic drugs and treatments for heart diseases."

Tom Spelsberg, Ph.D.
George M. Eisenberg Professor
Department of Biochemistry & Molecular Biology
Mayo Clinic, Rochester

2010 Recipient
Mayo Clinic Distinguished Alumni Award



Internationally recognized premier rhinologist

Mayo Clinic, 1970–2003, consultant in Department of Otorhinolaryngology – Head and Neck Surgery; Professor of Medicine

Residency (Otolaryngology): Mayo School of Graduate Medical Education

Medical school: Temple Medical School, Philadelphia

Graduate (M.S.): University of Minnesota, Minneapolis

Undergraduate: Muhlenberg College, Allentown, Pa.

Native of: Newark, N.J.

Eugene Kern, M.D.

Emeritus Professor of Otolaryngology, College of Medicine, Mayo Clinic

Professor in Residence, Department of Otorhinolaryngology, University of Buffalo, N.Y.

Director, Gromo Foundation for Medical Education and Research, Buffalo, N.Y.

Eugene Kern, M.D., is recognized around the world for excellence in teaching. He trained 120 ENT surgical residents in rhinologic surgery at Mayo Clinic, and mentored numerous laboratory trainees, including 31 with national research awards and published papers. Dr. Kern was director of Mayo Clinic's ENT Department Residency Training Program from 1981 to 1987; was voted Teacher of the Year at Mayo Graduate School in 1975, 1977, 1991, 1992, 1995, 1997 and 1998; and was affirmed to the Mayo Clinic Teacher Hall of Fame in 1991. He has made several hundred medical presentations to physicians and students around the world, including Africa, Asia, Europe, the Middle East, North America and South America. He is an honorary professor in residence at Dr. Sun-Yat Sen University in Guangzhou, China; and a special professor at Kyorin University in Tokyo, Japan. Dr. Kern received the Distinguished Alumni Award from Temple University School of Medicine in 2008.

He has written five textbooks, including *Essential Surgical Skills*, which has been translated into Italian, Chinese, Korean, Greek, Farsi and Turkish; and has published more than 200 scientific publications. He also serves on editorial boards or as a reviewer for nine professional journals.

Dr. Kern is past president of the American Rhinologic Society and International Rhinologic Society, and hosted the International Rhinologic Meeting in 2000. He is an honorary member of the Belgian Otorhinolaryngologic Society, Venezuelan Rhinologic Society, Russian Rhinologic Society, Turkish Rhinologic Society and Polish Rhinologic Society.

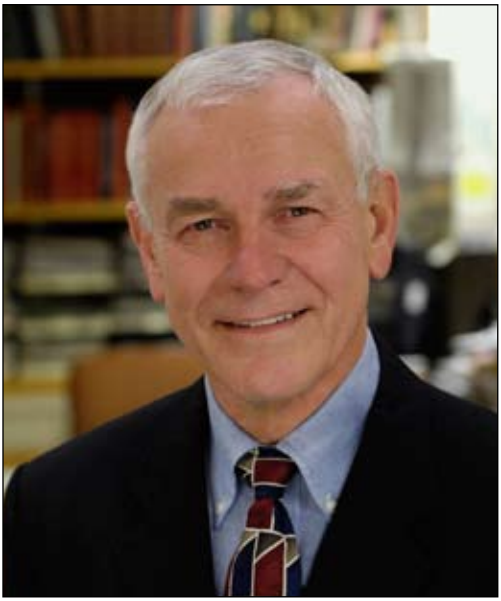
When Dr. Kern entered otolaryngology, scientific knowledge in rhinologic diseases was limited, the physiology of the nose and sinuses was unknown, and management of many conditions was a conundrum. For 30 years, Dr. Kern steadily enlarged the broad understanding of rhinologic diagnosis and treatment by taking his careful clinical observations to Mayo Clinic laboratories and libraries, and leading his associates in collaborative research. His groundbreaking contributions to the clinical practice of rhinology have improved and advanced patient care. These contributions include establishing a scientific basis for rhinology, and being the first in the United States to get rhinomanometry accepted as a fundamental clinical tool to measure nasal breathing. He is internationally recognized as one of the best rhinologic surgeons in the world.

"I have been asked to write many letters in my career, I know about the important wording, correct length, emphasis on certain aspects of one's CV. However, there will be one letter in my life, for one special person, which will be different. A letter which will be too short to say the things I would like to say, a letter which might break all the rules of letter writing, a letter where I put everything else in my life aside and still find myself short of saying everything I would like to say because it comes so deep from the inside of my heart. That letter will be for Dr. Eugene Kern. I met him when I was a foreign medical student on a rotation at Mayo Clinic in 1996. I returned to Rochester a year later for a research fellowship and was on the staff from 2002–2005.

Who is Dr. Kern for the hundreds of students and residents he trained, whose lives he touched and who he inspired; for his patients who feel as passionate about him as he feels about them; and for his colleagues who look at him with admiration? For all those, he is, simply put, the most distinguished physician."

Jens Ponikau, M.D.,
Assistant Professor of Clinical Otolaryngology
University at Buffalo
The State University of New York

2010 Recipient
Mayo Clinic Distinguished Alumni Award



Bernard Morrey, M.D.

Emeritus Professor of Orthopedics, College of Medicine, Mayo Clinic

Professor of Orthopedics, University of Texas Health Science Center, San Antonio

Internationally famous orthopedic surgeon and world expert on the elbow

Mayo Clinic, 1978–2009, consultant, Department of Orthopedics; Professor of Orthopedics

Residency (Orthopedics): Mayo School of Graduate Medical Education

Graduate (M.S.): University of Minnesota, Minneapolis

Medical school: University of Texas, Galveston

Undergraduate: St. Bernard College, Cullman, Alabama

Native of: Houston

The contributions of Bernard Morrey, M.D., as a distinguished clinician and scientist in orthopedic surgery place him as one of the most influential orthopedic surgeons of the last half-century. He is a prominent authority on elbow surgery and has made significant contributions to the anatomy, physiology, biomechanics and surgical reconstruction of the elbow.

Dr. Morrey has been involved in almost every aspect of national orthopedic leadership. He is one of only five orthopedic surgeons who have been president of both the American Academy of Orthopaedic Surgeons (AAOS) and American Orthopaedic Association. As president of the AAOS, he introduced international membership and expanded the role of American orthopedics as a provider of education worldwide.

Dr. Morrey has authored 12 major textbooks on elbow and joint reconstruction under four titles that have been translated into four languages, including the definitive

text on elbow surgery. He has authored more than 330 peer-reviewed publications, and has served as an external reviewer and visiting professor of orthopedic training programs in the United States and internationally. He is past chair of the Board of Trustees of the *Journal of Shoulder and Elbow Surgery*.

Dr. Morrey also is past president of the American Shoulder and Elbow Surgeons, and has been a lecturer of national and international reputation, as a visiting scholar and visiting professor.

With his interest focused on adult reconstructive surgery — emphasizing the hip, knee and elbow — and basic research involving joint kinematics, Dr. Morrey has made important contributions to hip and knee arthroplasty. He has devised innovative surgical advances, including cementless hip arthroplasty. He introduced one of the first short femoral component stems for use in hip surgery — a design now popular worldwide as a bone-sparing alternative to conventional hip arthroplasty. Dr. Morrey also pioneered important treatments for elbow stiffness and reconstruction, and developed a standardized means of reporting elbow outcomes.

Dr. Morrey holds six patents for orthopedic devices and is a former member and consultant to the Food and Drug Administration Orthopedic Device Panel. A Fulbright Scholar, Dr. Morrey is a former aerospace engineer at NASA in Houston and a former consultant to the National Football League.

Dr. Morrey is past chair of the Mayo Clinic Department of Orthopedic Surgery (1988–1997). His vision helped to create the Mayo Clinic Sports Medicine Center. When Dr. Morrey was chair, Mayo Clinic was elected the Number-One orthopedic department in the country every year by *U.S. News & World Report*. He also served on the Mayo Clinic Board of Governors for eight years and was director of the Fellowship Program of Shoulder and Elbow Surgery.

"Dr. Morrey's status has been tremendously important to building the reputation and strength of the Mayo Clinic Department of Orthopedic Surgery. Dr. Morrey singlehandedly brought elbow surgery into its own as a specialty field through his intellectual contributions, education efforts and leadership. His groundbreaking studies have provided a firm scientific basis for elbow surgery, and his elbow textbook has become the field's foundation."

Daniel Berry M.D.
Chair, Department of Orthopedic Surgery, Mayo Clinic

2010 Recipient
Mayo Clinic Distinguished Alumni Award

John Stobo, M.D.

Senior Vice President

Health Science and Services

University of California, Oakland

Leading and transforming academic health centers/systems

Mayo Clinic, 1973–1976, consultant in Division of Rheumatology and Department of Internal Medicine; Assistant Professor of Immunology

Residency (Internal Medicine): Johns Hopkins Hospital, Baltimore

Medical school: State University of New York (S.U.N.Y.) at Buffalo

Undergraduate: Dartmouth College, Hanover, N.H.

Native of: Sommerville, Mass.

For more than 40 years, John Stobo, M.D., has provided leadership in clinical and academic health science fields, demonstrating dedication to transforming and utilizing the mission of each institution he has served. Dr. Stobo is senior vice president for Health Sciences and Services for the University of California system. He oversees, monitors and maintains the world-class quality of the university's 16 health sciences schools, including medicine, nursing, dentistry, optometry, pharmacy, public health and veterinary medicine, and 10 hospitals on seven campuses. The university represents a key part of the health care infrastructure in California, serving millions of patients and thousands of students each year.

From 1997 to 2007, Dr. Stobo was professor of medicine and executive director for academic programs at the University of Texas system in Galveston. From 1985 to 1994, he was professor of medicine and director of the Department of Medicine with The Johns Hopkins University School of Medicine and physician-in-chief at The Johns Hopkins Hospital. In 1993, he was named vice dean for clinical services and in 1994 became vice president of The Johns Hopkins Health System. In 1997, Dr. Stobo was named vice dean for research and technology at The Johns Hopkins University School of Medicine and chairman of Johns Hopkins Healthcare, LLC.

Earlier in his career, he was section head of Rheumatology and Clinical Immunology at the University of California, San Francisco. While there, he also was an investigator with the Howard Hughes Medical Institute. He began his career as an assistant professor of immunology, College of Medicine, Mayo Clinic, and a consultant in Rheumatology and Internal Medicine at Mayo Clinic in Rochester.

Dr. Stobo is past chairman of the American Board of Internal Medicine and past president of the American College of Rheumatology, Association of Professors of Medicine and University of Texas Medical Branch, Galveston. He also held a leadership position in the American Board of Internal Medicine Foundations. He is a member of the Institute of Medicine (IOM) and is a past member of the IOM Council.

Dr. Stobo was one of five inaugural members inducted into the International Gold Humanism Honor Society, and was awarded mastership in the American College of Physicians for distinguished contributions to internal medicine. Among his other awards are the John P. McGovern Lifetime Achievement Award in Oslerian Medicine, and the American College of Physician Executives' 2005 Physician Executive Award for Lifetime Achievement.

Dr. Stobo has authored more than 107 peer-reviewed publications and has served on editorial boards including *Journal of Clinical Immunology* and *Journal of Molecular and Cellular Immunology*. His research interests include lymphocyte reactivity and its effect on inflammatory bowel disease, aging, cirrhosis, sarcoidosis and rheumatology.

Dr. Stobo has advocated for, published and spoken about career development in medicine, training on family violence, advancing diversity, and health care delivery. He has promoted the need for academic health centers to lead health care reform.

"I speak for every member of the Board [University of Texas System Board of Regents] when I say that Jack Stobo has truly transformed the University of Texas Medical Branch. The remarkable advances that UTMB has made in education, research and patient care over the past nine years are a direct result of his steadfast commitment to the university's service mission, his unwavering focus on institutional excellence, and his unqualified faith in UTMB's faculty, staff and students."

James Huffines
Chairman, University of Texas Board of Regents

Past Recipients

Mayo Clinic Distinguished Alumni Awardees (1981–2009)

2009

Franklyn G. Knox, M.D., Ph. D.
(PHYS) '71
Rochester, MN

Irwin J. Schatz, M.D.,
(I) '61
Honolulu, Hawaii

Sheldon G. Sheps, M.D.,
(I) '58
Rochester, MN

Jon A. van Heerden, M.B., Ch.B.
(S) '70
Charleston, South Carolina

2008

Andrew G. Engel, M.D.,
(I) '61, (N) '62
Rochester, MN

Roland W. Moskowitz, M.D.,
(I) '55, (R) '60
Beachwood, Ohio

Peter C. Pairolero, M.D.,
(S) '71, (TS) '74
Bessemer, Michigan

Robert B. Wallace, M.D.,
(CS) '64
McLean, Virginia

2007

John Braasch, M.D., Ph.D.
(S) '55
Lincoln, Mass.

Peter Dyck, M.D.
(N) '60
Rochester, MN

Robert Frye, M.D.
(CV) '62
Rochester, MN

Paul Vanhoutte, M.D., Ph.D.
(PHYS) '69
Hong Kong

2006

Hubert G.W. Frohmüller, M.D., M.S.
(U) '63
Würzburg, Germany

Robert E. Hyatt, M.D.
(PCC) '73
Rochester, MN

Philip R. Lee, M.D.
(I) '55
Palo Alto, Calif.

**Denotes deceased as of August 31, 2009*

2005

Sir Brian G. Barratt-Boyes, M.D.
(S) '55*
Milford, New Zealand

Robert A. Kyle, M.D.
(I) '59
Rochester, MN

Richard K. Winkelmann, M.D., Ph.D.
(Derm) '56
Fountain Hills, Ariz.

2004

Howard A. Andersen, M.D.
(S) '49, (I) '51
Rochester, MN

Edmund Y.S. Chao, PhD.
(OR) '72
Catonsville, MD

Kenneth G. Mann, Ph.D.
(Hem) '72
Grand Isle, Vt.

2003

Francis J. Haddy, M.D., Ph.D.
(I) '51
Rochester, MN

Gertrude M. Tyce, Ph.D.
(Bioc) '63
Rochester, MN

Jack P. Whisnant, M.D.
(I) '53, (N) '55
Rochester, MN

2002

Valentin Fuster, M.D., Ph.D.
(I) '72, (CV) '74
New York City, NY

Vay Liang W. Go, M.D.
(I) '67, (GI) '71
Los Angeles, Calif.

Kai Rehder, M.D.
(I) '58, (ANES) '61
Vail, Colo.

**Denotes deceased as of August 31, 2009*

Past Recipients

Mayo Clinic Distinguished Alumni Awardees (1981–2009)

2001

Robert W.M. Frater, M.B., Ch.B., M.S.
(S)'60 (TS)'61
Bronxville, NY

Alan F. Hofmann, M.D.
(GI)'77
La Jolla, Calif.

John W. Joyce, M.D.
(I)'63
Rochester, MN

B. Lawrence Riggs, M.D.
(I)'62
Rochester, MN

2000

Suzanne T. Ildstad, M.D.
(Med)'78
Louisville, Ky.

William H. ReMine Jr., M.D.
(S)'45
Ponte Vedra Beach, Fla.

John A. Washington, M.D.
(M)'68
Cleveland, Ohio

1999

Donato Alarcón-Segovia, M.D., M.S.
(I)'64*
Mexico City, Mexico

Leonard T. Kurland, M.D., Ph.D.
(N)'53*
Rochester, MN

John E. Woods, M.D., Ph.D.
(Pls)'68
Rochester, MN

1998

Shahbudin H. Rahimtoola, M.B.
(Phys)'66
Los Angeles, Calif.

Edward C. Rosenow, III, M.D., M.S.
(Thd, I)'65
Rochester, MN

Robert J. White, M.D., Ph.D.
(NS)'59
Cleveland, Ohio

**Denotes deceased as of August 31, 2009*

1997

Arnold S. Anderson Jr., M.D.
(Pd) '50
Scandia, MN

John R. Blinks, M.D.
(Phar) '68
Friday Harbor, Wash.

Richard J. Reitemeier, M.D.
(I) '54*
Rochester, MN

1996

E.J. Walter Bowie, M.D.
(I) '61
Rochester, MN

Juan Ramon de la Fuente, M.D.
(P) '80
Mexico City, Mexico

Alexander J. Walt, M.D.
(S) '56*
Huntington Woods, Mich.

1995

Hugh R. Butt, M.D.
(I) '38*
Rochester, MN

Harold O. Perry, M.D.
(Derm) '53
Rochester, MN

1994

Martin A. Adson, M.D.
(S) '57
Rochester, MN

Robert J. Ryan, M.D.
(Bioc) '67
Rochester, MN

Harold J. C. Swan, M.D.
(Phys) '55*
Beverly Hills, Calif.

**Denotes deceased as of August 31, 2009*

Past Recipients

Mayo Clinic Distinguished Alumni Awardees (1981–2009)

1993

Norman L. Browse, M.D.
(S) '65
London, England

Howard B. Burchell, M.D.
(I) '40
St. Paul, MN

Edward D. Henderson, M.D.
(Or) '51*
Rochester, MN

1992

William M. Manger, M.D., Ph.D.
(I) '55
New York City, NY

Vernon R. Mattox, Ph.D.
(Bioc) '52
Rochester, MN

Ross H. Miller, M.D.
(NS) '54
Hilton Head Island, S.C.

1991

James C. Hunt, M.D.
(I) '58
Memphis, Tenn.

Robert W. Jamplis, M.D.
(TS) '53*
Palo Alto, Calf.

1990

H. Corwin Hinshaw, Ph.D., M.D.
(I) '36*
Belvedere, Calif.

Edward H. Lambert, M.D.
(Phys) '43*
Rochester, MN

Kenneth G. Berge, M.D.
(I) '55
Rochester, MN

1989

John P. Utz, M.D.
(I) '52*
Washington, D.C.

Charles A. Owen Jr., M.D.
(I) '50*
Rochester, MN

1988

Crowell Beard, M.D.
(Oph) '43*
Redwood City, Calif.

Hillier L. Baker, M.D.
(R) '56
Rochester, MN

**Denotes deceased as of August 31, 2009*

1987
Jesse E. Edwards, M.D.
(Path) '46
St. Paul, MN

Collin S. MacCarty, M.D.
(NS) '44*
Rochester, MN

1986
Charles C. Edwards, M.D.
(S) '56
La Jolla, Calif.

Oliver H. Beahrs, M.D.
(S) '50*
Rochester, MN

1985
John T. Shepherd, M.D.
(Phys) '54
Rochester, MN

Mark B. Coventry, M.D.
(Or) '42*
Rochester, MN

F. Henry Ellis Jr., M.D.
(TS) '53
Burlington, Mass.

1984
Griff T. Ross, M.D., Ph.D.
(I) '60*
Houston, Texas

Earl H. Wood, M.D., Ph.D.
(Phys) '42
Rochester, MN

1983
L. Emmerson Ward, M.D.
(Rheu) '50
Rochester, MN

Shervert H. Frazier Jr., M.D.
(P) '57
Concord, Mass.

1982
Thomas W. McElin, M.D.
(ObG) '50*
Chicago, Ill.

David C. Dahlin, M.D.
(Path) '48*
Rochester, MN

1981
John W. Kirklin, M.D.
(S) '50*
Birmingham, Ala.

Dwight C. McGoon, M.D.
(S) '57*
Rochester, MN

**Denotes deceased as of August 31, 2009*

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Jacksonville, FL 32224

200 First Street SW
Rochester, MN 55905

13400 East Shea Boulevard
Scottsdale, AZ 85259

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