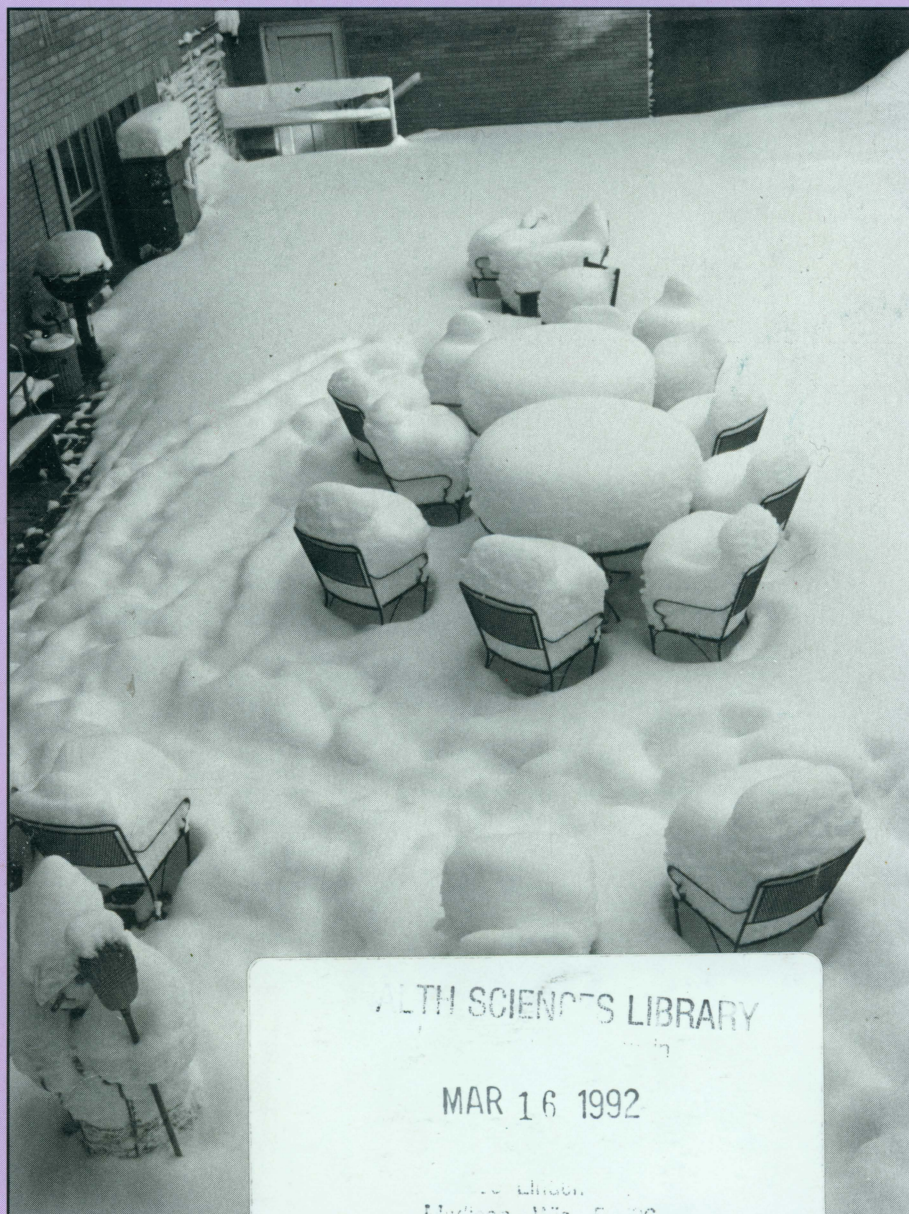


THE WISCONSIN MEDICAL ALUMNI MAGAZINE



# QUARTERLY





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THE WISCONSIN MEDICAL ALUMNI MAGAZINE

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- 2 Cancer Pain
- 10 Dean's Column
- 11 President's Column
- 12 Editor's Column
- 12 Last Call for Creative Writers
- 13 A Major Commitment
- 13 Tax Deduction
- 14 Chuns Retire
- 16 WMAA Honor Roll, 1989-1990
- 36 Annual Fall Meeting
- 38 Medical School News
- 39 Faculty News
- 40 Necrology
- 41 Alumni Capsules
- 44 WMAA Puzzle Answers

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ON THE COVER: A December '90 snowstorm set the stage for a faculty meeting in a courtyard of the Medical Sciences Center. Photo taken from the Medical Alumni office by TP Stewart







# CANCER PAIN

*Pleasure is oft a visitant; but pain  
Clings cruelly to us.*

*John Keats, 1818*

**I**n hospitals, nursing homes and family residences across the country — even in major medical centers where high technology reigns and new procedures are conceived and born — the management of cancer pain often receives low priority. It may be overlooked altogether.

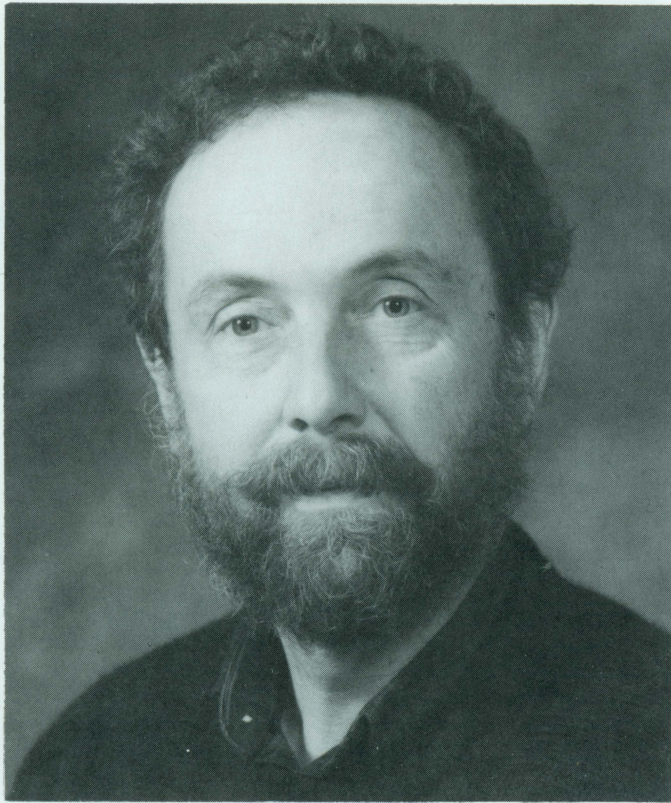
This bizarre state of affairs seems almost like a conspiracy between patients and health care providers; for the means to effectively control pain have been available for decades. The complicity broadens as one considers the larger circle of collaborators — politicians, educators, law enforcement personnel, family members — buttressed by age-old attitudes and expectations.

*Editor's note: Although cancer pain is the focus of this article, other categories of pain are generally undertreated as well. Much — perhaps most — of what you read here applies equally to non-cancer pain.*

## **The Barriers**

Since relief from cancer pain is possible in most circumstances, why are horror stories of unremitting pain heard over and over?





Charles Cleeland, Director, UW Pain Research Group

*"Tell patients and families they should not suffer in silence."*

Although the degree of pain felt by a patient is a subjective judgment, there is surprising agreement among patients worldwide when they are asked to evaluate their level of pain on a scale of 0 to 10, in which 0 is no pain and 10 is the worst pain imaginable; 5 denotes the level at which pain significantly impairs

functioning and the patient has trouble sleeping and eating. This or a similar type of scale provides a useful semi-quantitative tool to the health care provider who is tuned in to proper pain management.

"We must teach patients to express the amount of pain they are experiencing," Cleeland said, and patients must also take medication as instructed and provide feedback.

"Good" patients, however, hesitate to complain, and some are adept at hiding their pain. Maybe the doctor will become distracted from curing their disease, or maybe they will be seen as weak and bothersome. Family members sometimes reinforce such behavior because they, too, view complaining as socially embarrassing; it also makes them uncomfortable. And patients commonly undermedicate themselves, waiting too long before taking or requesting medication, although a common stereotype portrays a patient taking narcotics as one who often overmedicates and abuses drugs.

Some cancer patients fail to report pain because they want to deny their disease is getting worse.

Although patients and their families contribute to the undertreatment of pain, health care providers are considered the main obstacles. Interview data indicate that physicians don't like to spend time with

patients with unresolved pain. If patients continue to complain of pain, the physician may conclude that they suffer from depression or another psychological problem — not that they are receiving inadequate treatment for pain.

Such attitudes are perhaps a natural outcome of the physician's education. Standard oncology texts, for example, devote few pages to pain management. Treatment of pain generally receives little attention in oncology training programs, where the overriding emphasis is on control of the malignancy. And there is limited government funding for research in cancer pain.

The message seems clear, if unstated: pain management is a low-priority item.

Cleeland found, among the physicians he studied, that the majority would wait until the cancer patient's prognosis was 6 months or less before beginning maximal analgesic therapy, even though the patient may be experiencing significant pain far earlier. Many of these physicians also failed to recommend other means of pain relief such as nerve blocks, biofeedback, relaxation techniques, and physical therapy.

Although upwards of 90% of patients with cancer pain will obtain reasonable pain control with systemic analgesics alone, Cleeland noted, the more difficult cases

### The First Defense

The best way to manage cancer pain is to treat the disease itself with drug or radiation therapy or with surgery. The disease, however, may progress in spite of such efforts, and then pain-relieving drugs may be required. Depending upon the type and severity of the cancer, analgesics may be necessary while treatment is in progress. The treatment itself can also cause pain, which should be managed.

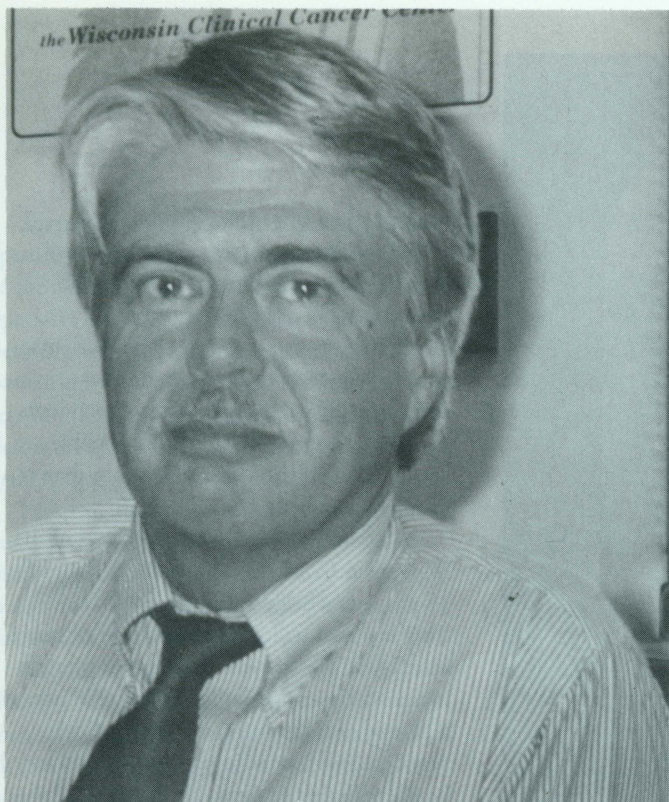
What interferes with this area of medicine? How can one explain the seemingly contradictory behavior of those dedicated to comfort the afflicted? And why do so many patients willingly acquiesce?

Charles S. Cleeland, Professor of Neurology and Director of the UW Pain Research Group, set out to unravel the factors involved in the undertreatment of cancer pain in the early '80s and found that the reasons were complex and deep-rooted.

"In general, health care professionals really don't know how to treat pain adequately," he concluded. "Often they don't use enough narcotics (opioids) to be helpful because they have an unwarranted fear about addiction and they are afraid they won't be able to handle side effects.

"Another major problem is that patients and their health care providers don't communicate well. Patients don't want to use up their limited contact time with the physician by complaining, and some feel that it would be useless to complain because they believe that pain is an inevitable result of their disease and treatment. Others fear using opioid drugs or fear that their bodies will build a tolerance to these strong analgesics, leaving nothing for the really severe pain."





David Joranson, Associate Director for Policy Studies UW Pain Research Group

may call for multiple treatment approaches. Many physicians are not aware of the usefulness of using adjunctive analgesics such as antidepressants and anticonvulsants, and they may not be prepared to manage opioid side effects such as respiratory distress and constipation.

Many nurses, too, fear addiction, and when opioids are prescribed on a p.r.n. basis, nurses frequently undermedicate. Even pharmacies are sometimes part of the problem. Many pharmacies in urban areas do not stock potent opioids because they fear theft. Others don't carry narcotics because they are so infrequently requested.

Some physicians suggest that the undertreatment of pain is to some degree related

*"If we know what should be done and we know enough to do it, then that is the thing we should do."*

to the fact that most practicing physicians have never themselves experienced intense, prolonged pain.

## The Myths

MANY PEOPLE ARE certain that cancer means unresolvable pain; pain is inevitable and must therefore be accepted and tolerated

with a stiff upper lip. It is common wisdom, as sure as getting wet and chilly means a cold or worse will follow.

The pain experts say not so. Instead they emphasize that most cancer pain can be relieved if currently available drugs and other therapies are appropriately used. Many physicians, nonetheless, are reluctant to prescribe opioids at appropriate levels and time intervals.

Another myth that preoccupies both laymen and professionals is the concern that using opioids, especially in the amounts that may be needed for adequate pain relief, will lead to addiction. It has been well established, however, that addiction rarely if ever occurs when opioids are used to control post-operative or cancer pain.

Although the fear of addiction is unfounded, the apprehension of both patients and medical personnel is very real and perhaps growing stronger with the flood of publicity surrounding the war on drugs and drug-related street crime. To those interested in providing maximum pain relief, it is frustrating and discouraging that an antidrug mind-set can interfere with the legitimate medical use of opioids and cause needless suffering.

Some patients fear that they will become "immune" to the effects of strong analgesics if they are used too soon in the course of their disease. Some patients do develop tolerance, but this can be overcome by increasing the amount of drug administered. It has been found that patients can safely take large amounts of morphine under medical supervision.

When a patient reports that the drug's analgesic effect is not lasting as long it did previously, the health care provider may suspect that tolerance is developing. But this can also be the first sign that the disease is worsening. Both instances call for more medication and possibly alternate therapy.

## The Legal Dimension

DAVID E. JORANSON, Associate Director for Policy Studies of the UW Pain Research Group, is particularly interested in the potential clash between pain control and laws designed to stop drug diversion and abuse.

"Federal law clearly recognizes the public health benefits of controlled substances such as opioids," he explained, "in particular the use of opioids to treat intractable pain. Federal controlled substances law also recognizes that an uninterrupted supply must be maintained for legitimate medical needs. Unfortunately, state laws do not

## Pain Management Outside the U.S.

The undertreatment of cancer pain is a worldwide problem that the World Health Organization is trying to improve.

Most of the people in developing countries, especially in rural areas, receive little or no relief from pain.

Third-world countries have many of the same problems seen in the U.S., although they are often magnified. Taboos and strict laws against narcotics, for example, can mitigate against the use of these drugs for any purpose. Even the cost of opioids can be an obstacle.





*June Dahl, Chair,  
Wisconsin Cancer Pain  
Initiative*

### **Koop Commends WCPI**

On the occasion of the First National Meeting for State Cancer Pain Initiatives in Madison, then Surgeon General C. Everett Koop delivered a statement that is presented here in part.

"When Assistant Surgeon General Dr. John Duffy spoke on my behalf at the Wisconsin Cancer Pain Initiative Strategy Session in December, 1986, he quoted the philosopher Immanuel Kant. He said 'If we know what should be done and we know enough to do it, then that is the thing we should do.' In 1986, members of the Wisconsin Initiative knew what should be done about the unnecessary suffering of cancer patients. They knew enough to relieve the pain of cancer, and they determined to overcome the many obstacles that were in the way. On behalf of the U.S. Public Health Service and the American people, I commend the Wisconsin Cancer Pain Initiative for deciding to do

what should be done and for maintaining a commitment to that effort. Cancer pain relief is becoming a priority in Wisconsin..."

"Inform patients and families that most if not all cancer-related pain can be relieved..."

"Tell patients and families they should not suffer in silence. 'Good patients' do tell their care givers about their pain.

"Convince your colleagues, patients and families that addiction is extremely rare when narcotic analgesics are used to treat the pain of cancer..."

"Cancer denies life, and the pain associated with cancer denies the quality of life. We cannot yet be victorious over cancer, but it is hopeful and exciting that we can conquer much if not all of the pain of this dreaded disease. The imperative for the participants, of course, will be to return home and assure that we do not fail in this endeavor."

contain these important principles."

Some state laws and regulations may impede the prescribing of opioids and intimidate the prescribing physician. Certain states, for example, label patients who legitimately receive narcotics as addicts, habitual users or drug-dependent persons and view physicians as possible law-breakers if they prescribe more than minimum amounts of opioids.

Joranson, who was Administrator of the Wisconsin Controlled Substances Board for 14 years, has helped to draft a new model drug law that will replace or refine existing state laws. The law recognizes that prescribing narcotic analgesics for intractable pain is a part of ordinary professional medical practice, and that pain patients should not be identified as addicts. He urges health professionals in each state to support efforts to achieve controlled substances laws that clearly recognize medical needs.

Laws and regulations should not be allowed to control or interfere with good medical decisions, Joranson emphasized. He cited a New York law that requires a physician to report as an addict a cancer patient who receives more than several months of narcotic treatment. In an attempt to prevent drug abuse, New York and other states as well have limited the prescription quantity for opioids to less than what may be medically indicated.

"It is frustrating to listen to legislators trying to outdo one another (in advocating get-tough-on-drugs laws), knowing the public is already afraid of narcotics," Joranson said.

### **The Consequences of Pain**

**B**ECAUSE THERE ARE SO MANY types of cancer and because the disease progresses through several stages, it is difficult to discuss cancer pain in general. As a rule, however, in the early stages of most cancers there is little if any pain. When the disease metastasizes, about one in three patients reports significant pain. In end-stage cancer, the majority of patients report pain severe enough to interfere with their quality of life.



Pain can also bring about depression, anxiety and hostility, which tend to exacerbate the patient's condition. Persistent pain is a source of frustration to the patient, the family and the health care team.

health status, and many feel well enough physically and emotionally to carry on activities that they enjoy.

A SERENDIPITOUS CHAIN OF EVENTS led to the formation of the Wisconsin Cancer Pain Initiative, a voluntary statewide effort by health care providers, educators and regulators to spread the gospel of adequate pain relief.

"The Representatives sponsoring the bill sincerely felt that heroin was the magic bullet — that with heroin, no one would have to suffer from cancer pain," Dahl explained. "We knew, however, that heroin was not the answer. The body immediately converts heroin into morphine, so heroin is just an expensive way to deliver morphine to the patient, and it carries with it all the problems associated with illegal drugs. But there is still a heroin mystique that is hard to put to rest."

Although the proposed legislation was vigorously opposed by the Board and ultimately defeated in Congress, its deliberation in Wisconsin kindled some reflection and soul searching.

"Furthermore, Dr. Cleeland had already identified the barriers (to effective treatment of pain). We had solid data on which to build."

In a rare admission of government responsibility, Dahl said the Board itself may have contributed to the underuse of opioids in its efforts to prevent their abuse.

*Seventeen states have begun cancer pain initiatives. Some are much more developed than others*



## WCPI Publications

The Wisconsin Cancer Pain Initiative offers several publications for various audiences:

"Cancer Pain Can Be Relieved," a booklet for patients and families.

"Children's Cancer Pain Can Be Relieved," a booklet for parents and friends of children with cancer pain.

"Jeff Asks About Cancer Pain," a booklet for teens.

"Handbook of Cancer Pain Management," a complete handbook for the professional who wants to know more about treating the pain of cancer. Written by a team of WCPI health care professionals. \$3.00

Displays: Two table-top displays are available from WCPI. One is targeted towards health care professionals and emphasizes the need for teamwork. The other is aimed at the public, and focuses on the importance of communication.

"Cancer Pain Can Be Conquered," an 11-minute slide/audio-tape set, also available as a video, that explains that cancer pain can be relieved, that patients won't become addicted if they take opioids, and that communication with care providers is essential.

You can order publications from:  
3675 Medical Sciences Center, 1300  
University Ave., Madison, WI 53706  
or call (608) 262-0978.

*"It must weigh heavily on our conscience that, despite our best intentions, what we know (about pain relief) is not being applied."*

In early 1985 ideas and action began to coalesce, and the cancer pain problem was presented by the WCSB at a UW Clinical Cancer Center meeting attended by experts in the area of cancer and cancer pain. Paul Carbone, Professor of Human Oncology and Director of the WCCC, was a supporter from the beginning.

As a result of the meeting a steering committee was formed. The group decided to focus on any cancer patient with pain, not just the terminally ill. Some cancer patients live a long time, they noted, especially with increasingly effective treatments, and they deserve a relatively pain-free life.

It became evident, however, that simply recognizing the situation would do little. Dahl explained that many professionals around the country were already aware of the undertreatment of pain and had been trying to overcome the problem with little success. "You can write articles in medical journals, offer conferences and give lectures, and you don't change behaviors. We recognized that traditional educational approaches hadn't worked. We had to do something different if we were really going to make changes in the practice of medicine."

"Something different" began with the efforts of Madison-area nurse Diane Engber and David Joranson, who fanned out around the state to find health care professionals who would make a commitment to promote better treatment of cancer pain. Special meetings were convened, and in the summer of 1986 nurses and pharmacists began to explore the cancer pain problem from their respective perspectives.

In December of '86 the WCSB sponsored a unique state-wide strategy session at the Wingspread Conference Center in Racine, Wisconsin to devise a plan of action to improve cancer pain management. Sixty five participants — the

Center's capacity — attended. Many had to be turned away, for word had spread and interest had mushroomed.

The participants divided themselves into work groups and developed an action plan for improving pain management largely based upon overcoming the barriers identified in Cleeland's research. The Wisconsin Cancer Pain Initiative, under the leadership of Chairperson Dahl, has been executing that plan ever since.

## The WHO Connection

AT THE WINGSPREAD STRATEGY session, the group received a psychological boost that has remained a constant inspiration: the World Health Organization, which is spearheading a world-wide effort to relieve cancer pain effectively, named Wisconsin a demonstration state because of its pioneering efforts to make cancer pain management a priority. As of this writing, 16 more states have followed Wisconsin's example and are forming their own state-wide initiatives.

Dr. Jan Stjernswärd, who heads WHO's Cancer Unit, is an outspoken warrior in the battle against cancer pain and claims that the relief of cancer pain is one of the greatest challenges in public health today.

"Death, in itself, is unavoidable," he stated, "but death without pain is surely the right of every individual. Yet in most parts of the world, cancer victims suffer and die — in far too many cases inch by inch — with pain, as family and loved ones stand by hopelessly."

He went on to explain that medicine has the knowledge and the drugs, derived from several decades of clinical experience and research, to prevent pain and to allow patients to die with dignity.

"It must weigh heavily on our conscience that, despite our best intentions, what we know is not being applied."



WHO has developed a three part "step ladder" for analgesia:

- ✓ 1, Aspirin, ibuprofen or acetaminophen are used for mild pain.
- ✓ 2, Weak opioids such as codeine are used when pain increases.
- ✓ 3, Strong opioids such as morphine are given for severe pain.

At each step of the ladder the patient may also require adjuvant analgesics for maximal pain relief.

Demerol is not recommended for treatment of chronic cancer pain because of its short duration of action, and its metabolite can accumulate over time and cause serious CNS toxicity, even seizures.

The amount of drug administered must be enough to do the job, not a pre-ordained "proper" amount from the PDR. Patients' needs vary greatly; one may require a many-fold higher dose of opioids than another. Contrary to what some health care providers believe, large doses of opioids seldom produce serious unmanageable side effects.

When possible, medications should be administered by mouth rather than by injection, and they should be given at regular intervals that maintain effective analgesia — by the clock.

## A Gathering of Initiatives

In July of 1989, participants from 24 states came together in Madison at the first National Meeting for State Cancer Pain Initiatives. They unanimously adopted a policy statement that included the following excerpts:

"Pain associated with cancer is a serious and neglected public health problem in the United States. It requires urgent attention from federal and state health policy makers and practitioners..."

"The fact is that most cancer pain can be relieved with available drugs

WHO also:

- ✓ advocates mass-media campaigns to inform patients and their families that most pain is controllable.
- ✓ encourages formation of a global network to help disseminate information
- ✓ seeks more medical education in **pain management.**
- ✓ urges governments to make sure that laws and regulations do not interfere with the legitimate medical uses of analgesics.

## WCPI Activities

THE VOLUNTEER PARTICIPANTS of the Wisconsin Cancer Pain Initiative (there are no dues or formal membership) have been active on many fronts, with special emphasis on small-group contacts. Their goal is to develop programs that will spread knowledge about effective pain treatment and change attitudes, and they firmly believe that health care professionals should become accountable for pain assessment and treatment. These, they believe, are moral and ethical obligations.

In particular, the WCPI hopes to fill a gaping hole in the medical care system. "A patient may be seen by 7 different physicians during the course of his or her

and other therapies. Why then do many patients with cancer needlessly suffer the dehumanizing effects of unremitting pain?

"Tragically, the public, patients, and many professionals are not aware that cancer pain can be relieved... Many health professionals lack training in pain assessment, treatment, and outcome evaluation..."

"It is essential to develop programs at the state level because that is where most medical care is taught, practiced, regulated and provided...but there is little financial support for state initiatives..."

disease," June Dahl explained, "and no one may be paying attention to the whole person and his quality of life. The health care system is focused on treating disease and not on palliative care."

The nation is so wrapped up in technology, she added, that it's hard to remember there's a real person inside the **body that is being affected by all the procedures.** The role of the WCPI is to recognize and treat the person.

To date more than 300 health professionals around Wisconsin, including hospice workers, have joined the effort. They have contributed information at meetings of health professionals, presented educational programs to both public and professional groups, influenced curricula at the state's medical and pharmacy schools, produced a number of publications, listed elsewhere in this article, and provided practical materials to other countries.

Members keep in touch with one another via a bimonthly newsletter.

Although a significant number of health professionals are taking part in the Wisconsin Cancer Pain Initiative with an enthusiasm and dedication that would seem to portend a successful outcome, it will undoubtedly take many years for their message to become accepted and commonplace. Other initiatives around the country are equally tentative — and younger.

Long-held attitudes and perceptions can be difficult indeed to turn around, but there is an urgency in the air and a crusading spirit that will be hard to ignore.

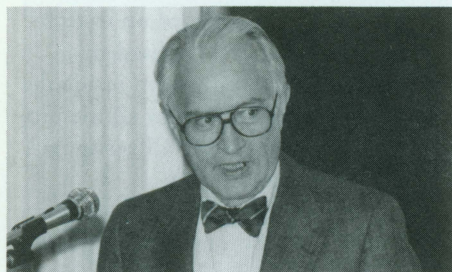
## Questions?

Anyone — medical professionals, patients, family and friends — may call the **CANCER CARE LINE 1-800-622-8922**, run by the U.W. Clinical Cancer Center, for questions and referrals.

You may also call the National Cancer Institute at 1-800 4-CANCER or the American Cancer Society at 1-800 227-2345.



## DEAN'S COLUMN



*Arnold L. Brown*

The primary mission of the Medical School is the transformation of qualified men and women from a wide variety of backgrounds into physicians. The job of deciding who will undergo that transition is assigned to the Admissions Committee. The seventeen members of the Committee represent the faculty of the School. It is the faculty, not the deans or the chancellor or anyone else, who bear the sole responsibility, as asserted in Faculty Policies and Procedures, for establishing the criteria by which the future students of the School will be selected. The Admissions Committee, acting for the faculty, adhere strictly to these criteria and neither seek nor welcome advice from others. They are a hard boiled bunch.

The essential characteristic of the selection process is that every applicant is given an equal chance. To that end, the initial screening is done by a formula that takes into account the grade point average in the sciences, the grade point average of the other courses taken by the applicant, and a summation of the scores of the Medical College Admission Test. This score is further refined by the Committee on the basis of extracurricular activities, course loads and course difficulty, the level of competition in the pre-medical years, recommendations, and accomplishments in college and elsewhere. The final hurdle is a personal interview with at least one member of the Committee or member of the faculty. After all this, a class is selected. Most, around 95%, will be Wisconsin residents. The class will be diverse with men and women of varying ages, ethnic origins, social and economic backgrounds, colleges attended, work experiences, academic majors, and urban and rural homes.

The present Med I or freshman class, as have all the classes since 1987, has 143 students. Their ages range from 19 to 38, 38% are women, they come from 32 counties in Wisconsin, and attended 55 colleges and universities. The mean grade point average in the sciences was 3.54 and for other subjects, 3.57. The average Medical College Admission Test scores on the six categories were between nine and ten. College majors varied from one of the biological sciences (biology and zoology had the highest numbers), the physical sciences (chemistry, mathematics, biochemistry among them), to the non-sciences (English, history, psychology, economics, political science).

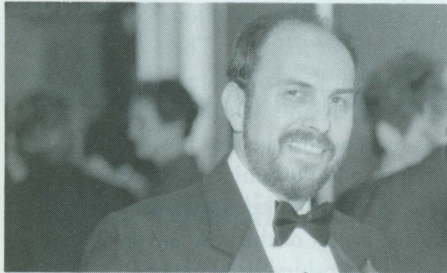
The work of the Admissions Committee, under its chair, Judith Leavitt, is now pretty much finished. The class which will enter next August is not entirely selected but acceptances have been sent and an alternate list established. At this point the decisions rest with those who have been selected. Most students apply to more than one school and often are accepted by several of these. It is up to them to choose which one they will attend. We may not know for certain who our students will be until the first day of class.

There has been much concern over the declining interest in a career in medicine. The evidence for this disinterest was seen in the declining numbers of applicants to the nation's medical schools. A similar decline occurred to us. This year the number of applications we received from Wisconsin residents increased by over a third from last year.

Much of what appears above was taken from a publication, University of Wisconsin Medical School, 1990-1991, prepared by Janice Waisman, Admissions Officer, and her colleagues. If you would like a copy, write Janice in care of the UW Medical School, 1300 University Ave., Madison, WI, 53706.



## PRESIDENT'S COLUMN



Barry H. Usow '69

Since this is the first issue of 1991, I would like to take this opportunity to thank all of you who have contributed to the well being of the Alumni Association. We have become more financially sound and have significantly cut our deficit. We need your continued support.

With this in mind I would like to address several issues that have arisen near the end of 1990 and that will become significant in 1991.

First, the MASH house was sold in November and a substantial portion of the funds were put into the Low Interest Student Loan Fund so that many more loans will be able to be made in the future.

Secondly, our student phonathon to alumni who have not contributed recently was initiated to raise funds for the student loan fund. This was the only Association phonathon this past year and occurred in January of 1990. It should not be confused with other phonathons sponsored by the University of Wisconsin Foundation (the University's arm for seeking donations from alumni, businesses and other private sources), Medical School letters and requests, or specific department requests made of you on behalf of the Medical School. We have no knowledge of or control over such solicitations, and donations made to sources other than WMAA do not in any way contribute to our budget unless you specify Medical Alumni Special Project Fund on your check. I'm sorry that some of you have had bad experiences with solicitors from the Foundation, and I hope that will not sour you about giving to the Medical Alumni.

As a means of encouraging larger donations, the Middleton Society has been founded under the direction of Loren Thurwachter and the Long Range Planning Committee to recognize alumni and their spouses with special attention. Please consider a donation to this society.

Finally you should all know that the University of Wisconsin is endeavoring the largest capitol campaign in its history. The Medical School is attempting to raise \$12.4 million for professorships and buildings to keep the school on top. I have thrown my support behind the Dean and hope you will, too.

Please continue your fine support and plan on attending the annual alumni weekend in May.



## EDITOR'S COLUMN



Victor S. Falk, MD '39

## Meat Suppositories

Sometimes a paper written at an earlier age can be embarrassing or amusing when reviewed at a more mature later date. My first year in practice I reported on a strangulated inguinal hernia in a man of 88 years. I guess I was impressed with his advanced age and the fact that he survived. The State Journal must have had a paucity of papers in 1948 as they published the report. There are some retrospective aspects of the paper that are interesting at this later date.

Postoperatively the patient was treated very conservatively and was given one liter of IV fluids and two units of digitalis. This was repeated on the first postoperative day. He also was given Procaine-Penicillin in oil (300,000 units intramuscularly once a day). On the fourth day, he sat on the edge of the bed. He stayed in the hospital three weeks — and that's the interesting aspect of this case in view of our present restrictions. Currently in such a situation a hospital would take a financial bath and the perpetrating physician, if not summarily unfrocked, would be utilization reviewed and quality unassured — or might even be threatened with a vacation in a federal country club.

In the original paper, I also reviewed the literature of strangulated hernias in the aged, going back to a case in 1898 where a man of 89 with a strangulated umbilical hernia was successfully operated on without the use of a general anesthetic and by candle light. His postoperative care consisted of brandy by mouth, meat suppositories and nutrient injections per rectum. Some latter day wag might ask "Where's the beef?" or refer to this form of nutrition as a McEnema."

Actually the case report 42 years later is not an embarrassment and some of the comparisons with current care are quite intriguing.

### LAST CALL FOR CREATIVE WRITERS

Medical students, you still have time to submit a piece of creative writing, either poetry or prose, to the Misha Lustoc Creating Writing Contest. The competition, sponsored by the Wisconsin Medical Alumni Association, is named in honor of alumnus Lustok, who served as editor of the Quarterly for more than 25 years. Please send or take your entry to the Medical Alumni Office, 1250 MSC, by March 25. The contest winner will receive \$200 and the entry will appear in the Quarterly. Please keep your entry reasonably short and submit only one.





Loron F. Thurwachter

## A Major Commitment

by Loron F. Thurwachter '45

*Editor's note: Many alumni are aware that the WMAA is in the process of recovering from a precarious financial situation. At the same time, certain financial needs continue to grow. Here Loron Thurwachter '45 appeals to fellow alumni to help support the Association's efforts.*

## ALUMNI: Your Dues Are Tax-Deductible

*The following is a letter to WMAA Executive Director James Griffith from Jim Graham, a tax specialist with McGladrey & Pullen, Certified Public Accountants and Consultants, who yearly audit the Wisconsin Medical Alumni Association, Inc.*

Mary (auditor) asked me to draft a short memorandum to you explaining the change in our reporting of contributions by members. In the past, we reported these contributions as membership dues. However, for the current year, Mary determined that these amounts are more properly classified as charitable contributions.

As an organization exempt under Internal Revenue Code Section 501 (c)(3), you qualify to receive charitable contributions. Your organization qualifies as a "charitable organization" because it furthers the interests of our society (e.g., by promoting medical education). Nonprofit membership organizations that

Remember when President Kennedy said, "Ask not what your country can do for you; ask what you can do for your country." I would like to make an appeal to my schoolmates using the same format. Our medical school has already done its part by providing us with a medical education. Now is our chance to make a major commitment to aid them in their endeavor to do the same for the future generations of students.

I do not have to remind you that today's medical student faces problems that many of us did not face. Education costs continue to soar and government support continues to decline. Students from middle income families are being priced out of the chance to obtain such an education.

I would like to suggest that you consider becoming a member of The Middleton Society. This society has been formed to recognize alumni, faculty, and friends who contribute significant

amounts to support the Medical School through gifts or bequests. The contribution at present that will qualify for membership is a one-time gift of \$10,000 or more or \$10,000 payable over ten years. Any previous gifts made to the Medical Alumni since its formation can be credited to your contribution, but these bequests will require verification.

We have already had alumni becoming members, including two from the class of 1983. Please give this chance to be a real Badger Backer a hard think. Information has already appeared in the Quarterly (in particular, see President's Column in winter '89, spring '90 and summer '90) and will continue to appear. The recent letter from Alumni President Barry Usow urgently asking you to support your Medical Alumni Association contained a pink envelope for enrollment. Further information can be obtained from the Alumni Office.

are exempt under other provisions are not "charitable" because they normally further the interests of the members. Examples of these types of organizations include fraternities, sororities, country clubs, lodges and business leagues.

The instructions to Form 990, as well as several IRS rulings, state that membership dues paid primarily to support the organization's activities rather than to derive benefits of more than nominal monetary value represent contributions. The instructions indicate that "benefits of more than nominal monetary value" means the member paid dues to receive those benefits rather than to support the organization.

Mary reviewed the organization's activities and found no benefits provided to members worth more than nominal monetary value. She noted that a quarterly magazine probably should be considered "nominal" since the publication is also issued to nonmembers. Our impression is that membership dues are paid primarily to support the organization's activities (i.e., to support the medical school, faculty, students, etc.). As a result, we reported amounts received from members as contributions rather than membership dues.

Since we've determined that payments by members should be classified as contributions to your organization, these payments should also be deductible by members as charitable contributions. We've seen other charitable organizations include a statement on member solicitations that indicate the organization is exempt under IRC Section 501 (c)(3) and "donations" should qualify as charitable contributions. We suggest that you include a similar statement on your member solicitations.

If you have any question or we can provide further assistance to you, please contact us.

Jim Graham  
McGladrey & Pullen

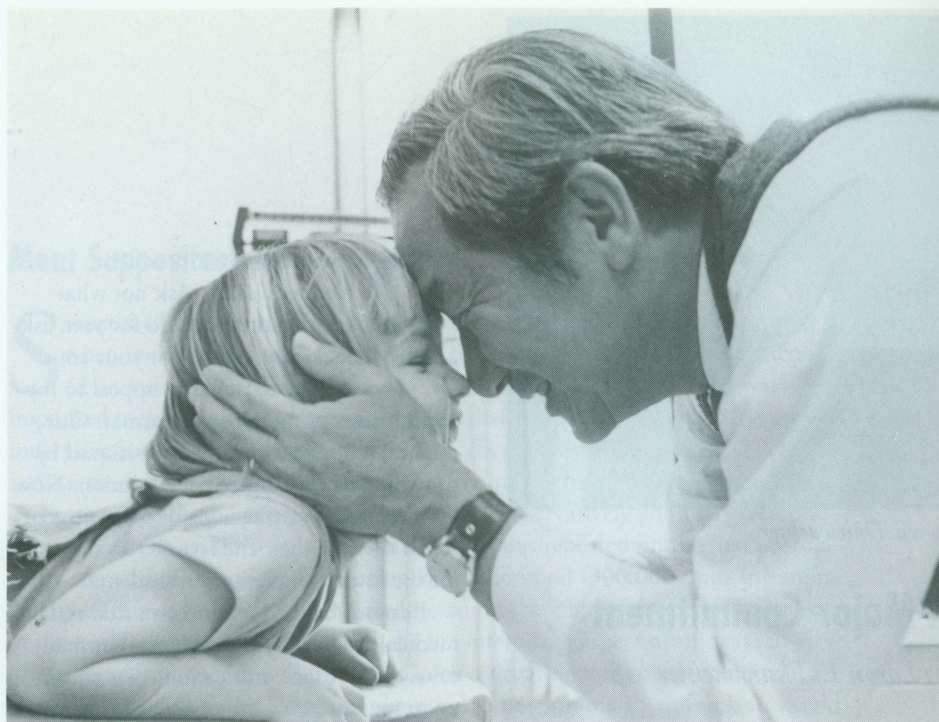


## The Doctors Chun

"What a family!

"They are sensitive, understanding, warm-hearted folks who never blow their own horns even though they're both expert professionals. They are gentle and they are first rate."

This is how a long-time colleague began his assessment of Memee and Ray Chun. The colleague added that the Chuns' resiliency allowed them to function well even through the tumultuous years when Medical School factions sometimes made one another uncomfortable and frustrated. "It's obvious they are loyal to Wisconsin and dedicated to their profession."



MEMEE CHUN, formerly Professor of Pediatrics (CHS) and currently a Professor in the School of Nursing, received her M.D. from Columbia University after earning her undergraduate degree from Bryn Mawr College. She completed her residency in pediatrics at Bellevue and Babies Hospitals in New York, followed by a fellowship from the National Cancer Institute to study oncology.

Since Memee came to Madison with husband Ray in 1960, she has accrued a notable reputation as a skilled clinician and an exemplary teacher. Her quiet, assured style has rubbed off on generations of medical students and residents who report that Memee pays as much attention to psychological and social dynamics as she does to medical aspects. This may have accounted for her legendary success and popularity in caring for children from many nations who lived at UW's Eagle Heights housing complex. An able communicator, she can build rapport and trust with her patients and talk common sense with their parents. And she has been entrusted with caring for the children of many Medical School faculty members — the ultimate sign of confidence.

Dr. Chun has also influenced an unknown number of other physicians through publication of her S.O.A.P. (subjective, objective, assessment plan) — systematic age-specific, problem-oriented health maintenance forms that she devel-

oped and field tested. The system, used at Johns Hopkins and many other teaching institutions, forms the theoretical basis through which many physicians approach patient management.

Although she spent most of her time with patients and students, Memee Chun's administrative duties would have been enough to fill an ordinary schedule. She is Medical Director of the Nurse Practitioner Program in the School of Nursing and was Medical Director of the Developmental Disabilities Clinic at the Waisman Center on Mental Retardation and Human Development as well as Associate Unit Coordinator of Waisman's Clinical Services Unit, formerly known as the Diagnostic and Treatment Unit.

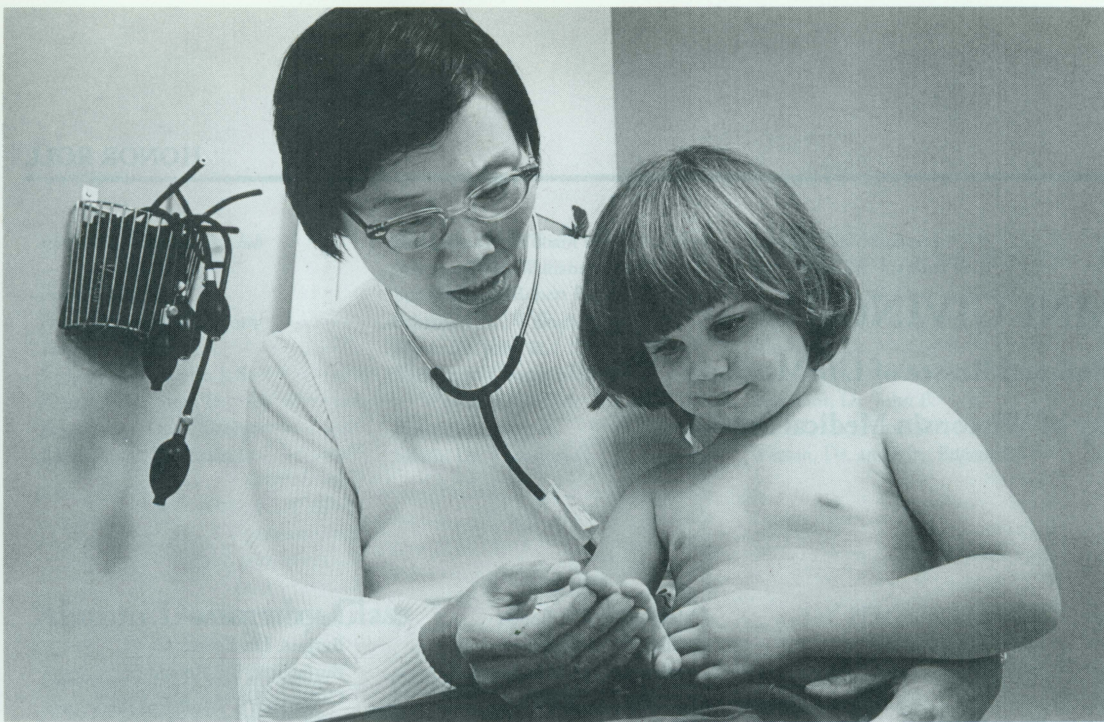
In Pediatrics, her home department, she scheduled residents and faculty in the General Pediatric and Adolescent Medicine Clinics, scheduled continuity clinics, and generally coordinated daily functions and calmed rough waters.

During most of her career, Memee did not work full time, opting to care for her three children. As she tells her students, "you can't have it all."

In semi-retirement, Memee thoroughly enjoys teaching one day a week at the School of Nursing.

MENTION EMERITUS PROFESSOR OF Neurology Raymond Chun's name and you're sure to hear about his easy smile





*Memee and Ray Chun*

and his undying passion for tennis. He even spends full vacation days in his native Hawaii engaged in his favorite pastime with whomever he can persuade to join him on court. Currently, he is teaching children of friends the tricks of top spin forehand and backhand drives as well as the put away volley.

In the Department of Neurology Ray is looked upon as a sort of institution, for he has been associated with the department almost since its beginning. One of the founders of the discipline of pediatric neurology, he originated the Department's Division of Pediatric Neurology, shepherding and building it until his recent "retirement."

Ray's peers have recognized the depth and breadth of his knowledge of pediatric neurology, for they have chosen him as President of the Child Neurology Society, the Association of University Professors of Child Neurology and the Wisconsin Neurological Society. He has also headed many committees in the Medical School and Hospital.

Although Ray is best known within the Medical School as an extraordinary clinical teacher who is loved by patients and parents alike, he is renowned elsewhere for his research studies, including extensive work on encephalitis. Alumni may remember him as inventor of the Chun gun, an instrument that generates a strong beam of light to detect abnormal collections of

cerebrospinal fluid in infants. Because of its simplicity and portability it is still used by many senior clinicians in this country and by physicians in third world countries.

Dr. Chun managed to successfully take on major administrative positions along with his heavy clinical schedule. He was Medical Director of the Waisman Center on Mental Retardation and Human Development beginning in 1982, and he served as Acting Chairman of the Department of Neurology for two years.

**R**AY CHUN earned his undergraduate degree from St. Joseph's College in Philadelphia and his M.D. from Georgetown University School of Medicine in Washington, D.C. He trained at Philadelphia General Hospital, Georgetown University Hospital, Columbia Presbyterian Medical Center in New York, and the UW Hospital. He served in the U.S. Army for three years.

Free of administrative duties, Ray now works half time attending on the wards and clinics, teaching medical students and house officers, and writing medical articles.

The Doctors Chun are duly proud of their children. One is a resident in neurology in Seattle, another will graduate this year from the UW Vet School, and the third is a graduate student in astrophysics at the University of Chicago.

And Ray taught them all tennis.





## ALUMNI GIVING

### Honor Roll and Roster of Life Members

#### University of Wisconsin Medical School

**W**E ARE PLEASED to present the 1989-1990 Honor Roll of the University of Wisconsin Medical Alumni, faculty and friends. This report includes memorial funds, class gifts, AMA-ERF and other designated gifts. Contributions made directly to the Board of Regents of the University of Wisconsin regrettably are not listed in the honor roll.

The Wisconsin Medical Alumni Association has made every effort to insure accuracy in acknowledging all contributions correctly. We apologize for any oversight or errors. Please report them to the *Quarterly*, 1300 University Avenue, Madison, WI 53706 or phone (608) 263-4915.

#### The Middleton Society

*The Society was formed in 1989 to recognize its alumni, faculty and friends who contribute a one-time gift of \$10,000 or \$10,000 payable over a 10-year period to support the Medical School.*

Eugene Betlach, M.D. and  
Dorothy Betlach, M.D.  
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Kathryn Budzak, M.D. and  
Arthur Budzak  
Louis C. Bernhardt, M.D.  
Alexander Braze, M.D.  
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*Donors are listed by year of graduation. Name in boldface is the class representative.*

- ◊ Contributions of \$100-249
- ◆ Contributions of \$250 or more
- ◇ Continuous giver
- MD not from U.W. Medical School

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Fisher Albert L ◊  
Fliegel Martin B \*  
Franklin Donald A

Furstenberg Nancy E \*  
Glicklich Lucille B ◊  
Gray Emily M \*  
Grindrod John M  
Haza Bernard J ◊  
Huston Erwin S(R-IM) \*  
Jansen G Thomas \*  
Janzer Norman M ◊  
Judas Ilse ◊  
Kaye Ervin C \*  
Kelley Walter M(R-AN) \*  
Kempton Leo V ◊  
Laubenheimer Roger(R-DY) \*  
Manson J John ◊  
Mason Marian C ◊  
Molinaro Albert J ◊  
Nelson Frank F \*  
Payne Virginia L \*  
Schwam Bernard ◊  
Stephenson Henry N  
Tolwinsky Nathan \*  
Voelz George L ◊  
Wittchow Allen W  
Zauft Gibbs W ◊

### CLASS OF 1951

Persson Dr. Samuel G  
Allen John R  
Bahcall Carol R  
Block Duane L \*  
Brown John F(R-IM) \*  
Cornfield Jerome R \*  
Eisenbraun Joyce M ◊  
Fox Charles R ◊  
Garland Thomas F Jr \*  
Giles Laurence T \*  
Hardie Philip W \*  
Herlitzka Alf J(R-GS) \*  
Hilrich Nathan M \*  
Huckaby Audrey S  
Ibach Harold F  
Janney W Donald ◊  
Klevickis Helen T  
Lardinois Clifford C ◊  
McPherson Alice R(R-OP) \*  
Newman Rita Grant \*  
Olson Lyle L  
Persson Samuel G(R-OB) \*  
Pfeiffer Louis R \*  
Samp Robert J(R-GS) \*  
Schuster Donald S(R-DY) \*  
Smythe Lowell J \*  
Stern Charlotte C \*  
Thimke Harry E  
Thompson John E ◊  
Toussaint John B(R-NU) \*  
Tuchman Herman(R-IM) \*  
Vig Deverne W \*  
Warrick James D \*  
Zwicky George F Jr \*



## CLASS OF 1952

Crowley Dr. William P  
 Kratochvil Dr. Clyde H  
 Arkins John A \*  
 Asplund Merne W ◊  
 Freed David A ◊  
 Freeman D Joe(R-IM) \*◊  
 Lieberman Donald \*◊  
 Misch Allen ◊  
 Richards William G ◊  
 Ross Stanley C \*◊  
 Ryan Thomas E(R-OR) ◊  
 Schuster Benjamin(R-IM) \*◊  
 Sprague William L \*◊

## CLASS OF 1953

Griem Dr. Sylvia R  
 Brodhead Dr. William T  
 Acheson William E \*◊  
 Arkins Robert E  
 Armstrong Gene F ◊  
 Arndt George W \*◊  
 Brodhead William T(R-OR) \*◊  
 Cohen Nathan A \*◊  
 Contasti Joseph F  
 Dittman William A \*◊  
 Goetsch Frederick H \*◊  
 Harkavy Raymond ◊  
 Jochimsen Earl H(R-PY) \*◊  
 Johnsen Rolf E ◊  
 Johnson F Deborah \*◊  
 Jorgenson Norman C ◊  
 Kjentvet Roger A ◊  
 Lyne Benjamin W \*◊  
 Philipp Louis D  
 Rosenkranz Wilbur E \*◊  
 Sandmire Herbert F \*◊  
 Schroeder R W \*  
 Smollen William J \*◊  
 Tibbitts James A \*  
 Warner Willis A \*◊  
 Weisbrod Louis W

## CLASS OF 1954

Kroncke Dr. George M  
 Card William H \*◊  
 Failor Harlan J \*◊  
 Goodman Richard S ◊  
 Hampel Donald C \*  
 Heinz Leonard M \*◊  
 Holmes Guy W Jr \*◊  
 Kagen Allan E \*◊  
 Keith John E ◊  
 Kmiecik Joseph E \*◊  
 Miller David F ◊

Morris David L \*◊  
 Otterson Warren N \*◊  
 Petersen John R \*◊  
 Picus Charles L \*  
 Rabenn William B(R-AN) \*◊  
 Schrader William A \*◊  
 Toll Richard J ◊  
 Urban Frank H \*◊

## CLASS OF 1955

Wheaton Dr. Robert C  
 Weston Dr. Eugene L  
 Anderson Henry C  
 Atwood William H Jr(R-IM) \*◊  
 Baublatt Glenp J  
 Brown Robert O \*◊  
 Dibble Phillip A  
 Douglas Robert F(R-RA) \*◊  
 Field Lawrence M  
 Hinke Marvin L(R-RA) \*◊  
 Holder Richard L \*◊  
 Kleiner Leonard B \*◊  
 Schwartz Walter R \*◊  
 Siebert John T \*◊  
 Skupniewicz Raymond \*◊  
 Smithwick Elizabeth \*◊  
 Werner Donald L \*◊  
 Weston Eugene L(R-GS) \*◊  
 Wheaton Robert C ◊  
 Whiffen James D(R-GS) ◊  
 Williams Sonja D(R-PY) ◊  
 Wolfram Richard C \*◊  
 Yamahiro Harry S \*◊

## CLASS OF 1956

Rusy Dr. Ben F  
 Amundson Loren H ◊  
 Arneson Orrin N \*◊  
 Billings James E \*◊  
 Brandenburg James H ◊  
 Cohen Donald J \*C  
 Dahl Diane A \*◊  
 Edland Robert W \*◊  
 Everson Dale M  
 Fink Donald W ◊  
 Graf Richard A ◊  
 Herman LaVern H ◊  
 Hurst Kenneth A Jr \*◊  
 Lawrence David L \*  
 Ofstun Milford S \*◊  
 Rouman William C(R-AN) ◊  
 Rubin Edward \*  
 Rusy Ben F \*  
 Schulz Donald W ◊  
 Starr Charles R(R-PS) \*◊  
 Steiner Leonard E  
 Tasker Mary B  
 Weaver Robert E \*

## CLASS OF 1957

Wiviott Dr. Wilbert  
 Fox Dr. Theodore C  
 Baker Durward A  
 Barrick Richard B \*◊  
 Budner Harvey M \*  
 Carden Norman L \*  
 Ellis John C Jr(R-OB) \*  
 Ferwerda James R \*◊  
 Fox Theodore C \*◊  
 Hoffman Philip A Jr \*  
 Leon Arthur S \*◊  
 Mallin Sanford R \*◊  
 Martens Thomas J \*  
 McKenna John E \*◊  
 Miner Edward B \*◊  
 Nicolaus William H(R-AN) \*  
 Orman Edward S(R-PY) \*◊  
 Oxman Harold L ◊  
 Pfefferkorn E Dolf \*◊  
 Pointer Robert W(R-OP)  
 Price Donald W(R-PY) ◊  
 Riordan Hugh D \*◊  
 Rosenberg Leon E \*◊  
 Schierl Anne G(R-AN) \*◊  
 Stiehme E Richard \*◊  
 Stoehr Bruce J \*◊  
 Wagner Sheldon L \*  
 Wiviott Wilbert(R-PS) \*◊  
 Woods Sherwyn M(R-PY)

## CLASS OF 1958

Rahr Dr. Henry C  
 Wyman Dr. John B  
 Barbo Dorothy M \*◊  
 Baublatt Don P  
 Brekken Alvin L ◊  
 Burris Ada Mae  
 Feldstein Robert M \*◊  
 Gray John \*◊  
 Keller Robert A \*◊  
 McComb Gordon L \*◊  
 McIntyre James A \*  
 Mielke John E  
 Peterson Thomas H  
 Rahr Henry C \*  
 Rieselbach Richard ◊  
 Rosenbloom Arlan L(R-PD) \*◊  
 Shenker I Ronald \*◊  
 Shovers Philip \*◊  
 Stein Joseph D ◊  
 VanGiesen Donald I \*  
 Weiss John W \*◊  
 Wyman John B \*◊

## CLASS OF 1959

Mackman Dr. Sanford  
 Albright John J \*  
 Angevine James M \*◊  
 Benzmilller James A \*◊  
 Bond Philip A

Eckstein C Richard \*  
 Ehrhardt Alan A \*◊  
 Fink Jordan N \*  
 Gobel Frederick L \*◊  
 Gunderson Finn O \*◊  
 Horwitz Charles A ◊  
 Lang Gordon E \*◊  
 Lang Jean L \*◊  
 Mackman Sanford(R-GS) \*◊  
 Melms Frederick A \*  
 Olsen Ward A \*◊  
 Ottensmeyer David J(R-NS) ◊  
 Peak Daniel T \*  
 Petajan Jack H(R-NU) \*◊  
 Pizer Evan F(R-CP) \*◊  
 Schoenwetter William \*◊  
 Stelter Gerald P ◊  
 Stern Mona K \*

## CLASS OF 1960

Murray Dr. Frank E  
 Anderson Jon A \*  
 Blink Donald V \*◊  
 Edwards Richard W \*◊  
 Felton Owen L \*◊  
 Gohdes Paul N \*◊  
 Kassner E George \*◊  
 Klevay Leslie M  
 McKee William M \*  
 Meyer Glenn A(R-NS) \*◊  
 Moon Richard Lee(R-PY) \*◊  
 Murray Frank E(R-IM) \*◊  
 Normington Richard V \*◊  
 Oechler Herbert W ◊  
 Ramlo John H \*  
 Schowalter John E ◊  
 Stein Leonard I(R-PY) \*◊  
 Trump Paul L \*◊  
 Urban James G \*◊  
 Yount William J ◊

## CLASS OF 1961

Oberheu Dr. Kenneth H  
 Benner Marshall H(R-IM)  
 Bentson John R(R-RA) \*◊  
 Chan Rodney H(R-PY) \*  
 Falk Manuel J  
 Feiges Lewis M ◊  
 Ferry Darwin J Jr \*  
 Gerhard Clyde \*  
 Houser Jerome R \*  
 Hemingway Dennis L \*◊  
 Hotchkiss Frederick \*◊  
 Kimmey James R Jr(R-IM) ◊  
 Koeller Arlyn A \*◊  
 Kopf George M \*◊  
 Malueg Thomas J(R-PY) \*  
 Manis Robert \*  
 Mathison Johan A \*◊  
 McBeath Andrew A \*◊  
 Moody David L  
 Oberheu Kenneth H \*◊



## HONOR ROLL

Plater Richard W  
 Plos James R \*  
 Pratt Mary V(R-OP) \*  
 Severson Donald R  
 Sheehy James P \*  
 Stafford Richard(R-PY) \*  
 Sullivan John F  
 Underberg John T  
 Vechinski Thomas O(R-RA) \*  
 Weycer Joseph S

### CLASS OF 1962

**Miller Dr. Charles H**  
 Basiliere James L \*  
 Burmeister Ronald E  
 Chase Barbara J  
 Chiroff Richard T \*  
 Close James S \*  
 Combs James A(R-RA) \*  
 Eggman Lynn D(R-PD) \*  
 Finstad James E \*  
 Futterman Morton L  
 Konnak John W \*  
 Martens William E \*  
 Miller Charles H \*  
 Nammacher Mark A \*  
 Nuesse William E  
 VanDreel Richard A  
 Wolf Dennis E \*  
 Wolfmeyer Waldemar W \*  
 Zodrow Warren W \*

### CLASS OF 1963

**Andringa Dr. Conrad L.**  
 Beck James P \*  
 Bernhardt Louis(R-GS) \*  
 Dippe Stephen E \*  
 Gordon Alan L  
 Gulbrandsen C L  
 Harper David G(R-OP)  
 Henke Timothy K(R-NU) \*  
 Hull Stephen B \*  
 Johnson Samuel B(R-AN) \*  
 Luck Allan J \*  
 Moyer Geoffrey H(R-PT) \*  
 Murphy James E  
 Reeb Kenneth G \*  
 Reigel Donald H \*  
 Shafer James S  
 Spring Donald A  
 Strebel Ronald L \*

### CLASS OF 1964

**Gutenberger Dr. James E**  
 Bertelson Kenneth P \*  
 Boone Judy A  
 Crow Kenneth A \*  
 Eckelberg Merlyn E  
 Flader William A \*  
 Forman Mel A \*  
 Fritschel William G \*  
 Gehl Gerald A(R-PY) \*

Grill Karl P \*  
 Gutenberger James E(R-CS) \*  
 Honish John S \*  
 Horvath Andrew E  
 Kehm Joseph C \*  
 Koch Edgar L  
 Lambert Milton B \*  
 Mergen Mark F \*  
 Miller Robert C(R-RA) \*  
 Podoll Lee N(R-RA) \*  
 Rubinowitz Martin J(R-IM) \*  
 Sommerhaug Rolf G \*  
 Stein Ronald W \*  
 Tibbetts Palmer G \*  
 Tuffli Gordon A \*

### CLASS OF 1965

**Jensen Dr. Norman M**  
 Anderson Russell E  
 Aron Stephen C  
 Baker Howard Scott  
 Carlson Thomas J \*  
 Drye John N \*  
 Esswein James L(R-IM) \*  
 Fischer Louis C(R-RA) \*  
 Greenspan Irwin \*  
 Grossman Melvyn L  
 Hanifin Jon M \*  
 Harrington John T Jr  
 Hodge G Gustave \*  
 Jensen Norman M(R-IM) \*  
 Malewiski Larry J \*  
 Matzke Robert F \*  
 Melby Neal A \*  
 Plotkin Allen S \*  
 Schoenrock Larry D  
 Schroeder Gerald H  
 Shaw John R \*  
 Stevens Thomas R  
 Teller William F \*  
 Teplinsky Joel J \*  
 Vergamini Jerome C(R-CP)  
 Wagner Stephen F  
 Wichman Harvey M \*  
 Zarwell David H(R-CP)  
 Zimmerman Delano E \*

### CLASS OF 1966

**Rathert Dr. Roger A**  
**Sperling Dr. Keith B**  
**Thomas Dr. Jeffrey C**  
 Anderson James L(R-PD) \*  
 Barnes Haldor P G \*  
 Behrens Jerome A(R-OR) \*  
 Berman Robert L  
 Berndt Theodore B(R-IM) \*  
 Burpee James F(R-UR) \*  
 Busse William W(R-AL) \*  
 Dahl Vincent H \*  
 Davee Thomas S  
 Diddams John A(R-OT)  
 Eskritt Nyles R

Herzog Bernard F  
 Holmburg Charles E  
 Hughes David G  
 Josephson Thomas S(R-PY) \*  
 Kadell Jerome G(R-OP) \*  
 Kirkham Bruce C(R-RA) \*  
 Kniaz Harry(R-CP) \*  
 Langhus Peter A \*  
 Levin Victor A \*  
 Michaels Howard E \*  
 Phillips S Michael  
 Randall Patricia A \*  
 Rathert Roger A \*  
 Riemer Donald E  
 Seward Robert L  
 Smuckler Mark B \*  
 Weinhold Frank M \*  
 Zimmerman Stephen W(R-NP)

### CLASS OF 1967

**Kampschroer Dr. Bernard**  
**Peters Dr. Mary Ellen**  
 Brennan John T(R-IM) \*  
 Buchanan Susanna F \*  
 Cleary Michael G \*  
 Cupery Stanley G  
 Gansheroff Neal \*  
 Hisgen William J(R-IM)  
 Hoffman Neil A \*  
 Iverson Leigh I G \*  
 Jackson Thomas C(R-IM) \*  
 Johnson Howard H  
 Johnson Larry W  
 Jooss Robert L \*  
 Kadin Michael R \*  
 Kampschroer Bernard \*  
 Kinsfogel Edward R \*  
 Klish William J \*  
 Kuhl Robert D  
 Lamont Frederick J(R-CD) \*  
 Lerner Phillip D \*  
 Luloff Rolf S(R-OR) \*  
 Maki Dennis G  
 Meier Pierce J \*  
 OConnor Richard C  
 Olson Barry E \*  
 Rogers Beverly R \*  
 Schinabeck Thomas J \*  
 Stern Darryl R(R-PY) \*  
 Thomas William O(R-RA) \*  
 Tyne Lee M \*  
 Wedell Eric J \*  
 Weinman Mary S(R-AN)  
 Winch Thomas R \*  
 Wolfe Steven F(R-TS)

### CLASS OF 1968

**Kindschi Dr. George W**  
 Babbitz Allen H(R-OB) \*  
 Christensen Dennis  
 Colbert Richard C  
 Cowles Mary B

Crowe John \*  
 Daly Richard G \*  
 Deffner Norman F  
 Enerson David E(R-RA) \*  
 Fancher Donald C \*  
 Fox James M \*  
 Graupner Kenneth C  
 Hinke Thomas D  
 Kindschi George W \*  
 Kronzer William W(R-RA) \*  
 Lange Thomas A  
 Logerquist Allen A \*  
 Mayer David M \*  
 Rastegar Asghar  
 Reichert John R(R-RA) \*  
 Renne James W \*  
 Riese David C(R-AN)  
 Roberts Thomas N(R-PD) \*  
 Scheftner William A \*  
 Schoenecker Perry L \*  
 Schuyler Mark R \*  
 Selkurt Joanne A(R-PD) \*  
 Smullen Michael J  
 Stein Stephen R  
 Storms William W(R-AL) \*  
 Wagner Paul F(R-OP) \*  
 Wegmann John D(R-PY)  
 Wendling Lyle R  
 Witherspoon Lynn R

### CLASS OF 1969

**Olson Dr. Carl E**  
**Budzak Dr. Kathryn S.**  
**Burgdorf Dr. Walter H C**  
 Brick Daniel L  
 Budzak Kathryn \*  
 Burgdorf Walter H C \*  
 Haselow Robert E \*  
 Hathaway Daniel E \*  
 Hussa John F  
 Kane Daniel D \*  
 Karras Thomas J(R-CD) \*  
 Kurten Timothy A  
 Marchiando Richard J \*  
 Marcus Eric R \*  
 Martin W Bradford(R-IM) \*  
 Metcalf Mary B \*  
 Myers Robert K \*  
 Olson Carl E(R-TR) \*  
 Screnock Thomas  
 Sebastian James A  
 Segal Marshall B \*  
 Stephenson Gary M \*  
 Usov Barry H(R-UR) \*  
 Vrobel Thomas R \*

### CLASS OF 1970

**Bruckman Dr. James E**  
 Bernsten Stephen A(R-PS)  
 Bertram John R(R-DY) \*  
 Bruckman James E \*  
 Bussellberg Lorin F



Douglass Margaret C ◊  
 Dudley Stephen S(R-OP) \*  
 Enders Gene G(R-FP) \*  
 Feldman Kenneth W  
 Heggstad Kay A(R-FP) \*◊  
 Hellman Barry D  
 Horak Richard D  
 Jacobson Eric S \*◊  
 Lawrence Steven L \*◊  
 Louie Gim L \*◊  
 Lowell William G \*◊  
 Moss Stephen A(R-OP) \*  
 Norenberg David D  
 Osborn Sandra L(R-PD) ◊  
 Phillips Edwin R \*  
 Resan Thomas K \*  
 Richards Marcia J S \*◊  
 Rosckowff Carol M(R-PD)  
 Schultheiss John F  
 Selzer Ann R \*◊  
 Shaw Ronald P(R-NU) \*◊  
 Shenefeld Philip D(R-DY)  
 Swift William J ◊  
 Veit Kirk A  
 Vincent Robert A(R-RA) \*◊  
 Wertsch Paul A ◊  
 Wittkopp George F ◊  
 Wochos Daniel N \*◊  
 Zivnuka Frederick R ◊  
 Zondag Tuenis D \*◊

## CLASS OF 1971

Olson Dr. Warren A  
 Anderson Gerald W \*◊  
 Blatnik Steven  
 Bock Harvey M(R-GS) \*◊  
 Brauer William R(R-RA)  
 Brody Leslie B(R-NU)  
 Burmeister Glen E(R-RA) \*◊  
 Christensen Raymond \*  
 Cleary Dan T \*◊  
 Cullen Gerald M ◊  
 David John E \*◊  
 Davis David L \*  
 Erbstoesser John W ◊  
 Ganick Dorothy J \*◊  
 Graves Charlene E \*◊  
 Halsey Neal A ◊  
 Hellman Charles K  
 Hesselink John R(R-RA) ◊  
 Kramer Robert D \*  
 LeCloux David R ◊  
 Long James W(R-OP) ◊  
 Mansheim Paul A(R-CP) \*◊  
 Marquart Chris D ◊  
 Olson Warren A(R-PY) ◊  
 Otto Samuel J \*◊  
 Roberts Cameron F ◊  
 Shannon John P ◊  
 Somerville Stephen V ◊  
 Splittgerber Gerald ◊  
 Sternberg Richard J \*◊  
 Wilson Mary E \*◊

## CLASS OF 1972

Pederson Dr. John F  
 Anderson Henry A ◊  
 Barr Vincent P \*◊  
 Breitenfield Richard \*◊  
 Cohen Samuel M \*  
 Coyne Terrance C ◊  
 Fierke Jay L ◊  
 Flesch James R \*◊  
 Fox Thomas P ◊  
 Frazin Lawrence J(R-NS) \*◊  
 Garvey Charles A(R-PY)  
 Gay George L Jr(R-FP)  
 Hasler Galen R ◊  
 Healy Patrick M(R-OR)  
 Herszenon Sidney ◊  
 Huxley Eliot J \*◊  
 Janssen Gary J  
 Justl Robert N(R-FP) ◊  
 Krueger Roderick W \*◊  
 Lochen Gregory R \*  
 Lochner Donald M(R-FP) ◊  
 Mansheim Bernard J \*◊  
 Maragos Nicolas E \*  
 Miner Richard A(R-PY)  
 Myers James R \*◊  
 Pederson John F(R-PT) \*◊  
 Procci Warren R(R-PY) \*◊  
 Quisling Richard W  
 Resar Roger K \*◊  
 Rodriquez Arthur A  
 Schlager Robert J  
 Schultheiss David E  
 Skatrud James B(R-PU) \*  
 Steinmetz Thomas E

## CLASS OF 1973

Anderson Peter G  
 Bishop Mark P(R-FP)  
 Englesby James N ◊  
 Ertli Stuart W  
 Fahey Patrick J ◊  
 Fardal Patrick M(R-PT) \*◊  
 Field Daniel T \*◊  
 Garnett Gregory L  
 Gilson Robert E ◊  
 Goelzer Mark L \*◊  
 Goldberg Steven L \*◊  
 Gottlieb Esther J ◊  
 Johnson Collin B(R-PT) ◊  
 Kane Richard S  
 Kanter Brian D \*◊  
 Kuritz Jay J(R-AN) \*  
 Lettau Ludwig A \*◊  
 Nichols David R(R-PU) \*◊  
 Odders Richard N \*◊  
 Palmer Susan K(R-AN) ◊  
 Peterson Thomas D \*  
 Scholl Dennis G \*◊  
 Snowdon Donald E  
 Vaeth Mary F ◊  
 Welnick Richard O(R-IM)

## CLASS OF 1974

Mc Millen Dr. Milton R  
 Andringa Richard C  
 Boardman John R \*◊  
 Boex Robert M \*◊  
 Burch Jon M(R-GS) \*◊  
 Davis Jeffrey D  
 Dearth James C \*◊  
 Dow C Thomas(R-OP) ◊  
 Draeger Margaret R \*◊  
 Fischer C Peter ◊  
 Glasspiegel John S \*  
 Hanson Jerome T(R-GE) \*  
 Hermann John P(R-UR) \*  
 Herziger John W ◊  
 Iverson Gary O ◊  
 Kasner Joseph R(R-NM) ◊  
 Kraus Bruce A \*◊  
 Ljungquist Kathleen \*◊  
 Mackman Dennis M \*◊  
 McMillen Milton R \*◊  
 Moore Patrick J  
 Reimann Leah A \*◊  
 Sanger James R \*◊  
 Schraufnagel Dean E  
 Shrake John F \*  
 Thomas Thomas J \*◊  
 VanDyk Thomas W(R-PY) \*  
 Weber Jan R \*◊  
 Weeks Douglas C ◊  
 Westcott Stephen C \*

## CLASS OF 1975

Behrens Susan F \*◊  
 Betz A Lorris  
 Cody Edward F \*◊  
 Gierahn James P \*◊  
 Haidinyak John G ◊  
 Hanson Bruce G(R-FP)  
 Iorio Frank \*◊  
 Kliman Stephen H(R-IM) \*◊  
 Laabs John E \*◊  
 Labuwi Charles M  
 Larmore Gerry K(R-FP)  
 Lavrinets David A \*◊  
 Lemanske Robert F Jr(R-PD) \*  
 Magnino James J \*  
 Mudrovich Steven A  
 Nash David S \*◊  
 Polyak Frank P(R-PT)  
 Pope Richard A \*  
 Rakow Robert W(R-PY)  
 Rasansky Marc ◊  
 Richtsmeier Anthony \*◊  
 Rock Ann M \*◊  
 Romeis Richard J \*◊  
 Sazama Richard C \*  
 Segall Errol A ◊  
 Shaffer Paul J ◊  
 VanderHeyden John L ◊  
 Wagner Richard F \*◊  
 Wenzel Warren W ◊  
 Wopat Richard C ◊

## CLASS OF 1976

Fuhrmann Dr. Donn D  
 Reid Dr. Dale L  
 Ambelang Thomas M \*◊  
 Bast Robert D ◊  
 Bawden David G \*◊  
 Behrens Brent C(R-IM) \*◊  
 Beltz David E \*  
 Braun Cheryl S \*◊  
 Buttke James F ◊  
 Byrd Janis E(R-FP)  
 Carlson Bruce A ◊  
 Carpenter Mark M \*◊  
 Cohn Jerry S  
 Colgan Timothy K  
 Elbring Paul F(R-FP) \*◊  
 Freeman Mary Jo  
 Fromme Glenn A  
 Gabay Elizabeth L ◊  
 Gahl William A(R-PD) \*  
 Gershan Robert N \*  
 Gerstner Gary L \*◊  
 Heffy Thomas R ◊  
 Henzig Dennis A \*  
 Holick Michael F ◊  
 Jensen Steven R \*◊  
 Lande Jane M \*  
 Layde Peter M ◊  
 Lingen Thomas A(R-FP)  
 Luetzow Thomas J  
 Marcus Barry \*◊  
 McCullough John P  
 Peckham Roger S ◊  
 Powers Peter L  
 Rice James J ◊  
 Schlise Sally M(R-TR) \*◊  
 Shewmake Karl E(R-NU) ◊  
 Stieghorst Michael F(R-DR)  
 Sweeney Michael F ◊  
 Trastek Victor F  
 Zach James R

## CLASS OF 1977

Kruse Dr. Diana L  
 Ahles Scott R \*  
 Behling Ronald E(R-AN) ◊  
 Berres Jerel T \*◊  
 Calkins William N ◊  
 Fischer Donald C ◊  
 Fitzpatrick James H(R-AN)  
 Frederick Thomas B  
 Frinak Charles W \*  
 Gladitsch Richard E \*  
 Goldschmidt Robert A  
 Goletz Ty H(R-OR) \*  
 Grum John T ◊  
 Hamel Peter C ◊  
 Harrington Samuel P ◊  
 Hauch James F ◊  
 Howes David S \*  
 Iorio Louis \*◊  
 Jones Paula G  
 Kastenson Eugene H ◊



## HONOR ROLL

Kunz Jeffrey R \*  
 Liegel Steven S(R-DR) ◊  
 Melin Bruce D ◊  
 Nesemann Michael E \*  
 Oldenburg Gary E(R-AN) \*  
 Olson Gary S \*  
 Pelz Frederick \*  
 Rosenthal Ruth B \*  
 Russell Timothy P(R-FP) ◊  
 Schaezner George J(R-AN) ◊  
 Schauer Jeffrey E(R-GS) \*  
 Slomowitz Marcia \*  
 Strother S Vance  
 Tuschen James E  
 Udeh Chukwuma J ◊  
 Urberg Martin M \*  
 Voss Martin J(R-AL) \*  
 Warpinski James R \*  
 Wood Dennis A \*

### CLASS OF 1978

#### Wanderleest Dr. Robert

Alt Stuart W ◊  
 Bachhuber Raymond G \*  
 Behrens Scott A(R-AN) \*  
 Binder James P(R-GS) ◊  
 Bostwick Allon H ◊  
 Buchholz Roy R \*  
 Cooley Peter A \*  
 Gage Robert B \*  
 Gierl Benedict L \*  
 Gollup Howard J  
 Haight Bruce T ◊  
 Hawkins Rebecca L(R-IM) \*  
 Hellman Daniel R(R-AN) \*  
 Hunter Merle A ◊  
 Kapitan Kent S \*  
 Knier Michael S \*  
 Krejcie Tom C \*  
 Larson Paula R(R-PT) ◊  
 Mantei Elwyn C  
 Martin Thomas R  
 McFarlane Lawrence \*  
 McCanna Peter J(R-OP) ◊  
 Meyer Dianne K  
 Regan Richard P \*  
 Rusch Sara L ◊  
 Santogade Peter J \*  
 Schroeder Jeanne K(R-OB)  
 Snider Malcolm P(R-OR) \*  
 Sonneland Arthur M(R-UR) ◊  
 Stern David H \*  
 Tepper Robert S(R-PD)  
 Thompson Jeffrey E ◊  
 Thorstenson Michael \*  
 Tronnier Robert J ◊  
 VanderLeest Robert J \*  
 Vergeront James M \*  
 Weston Robert L \*  
 White Donna M ◊  
 White Lawrence J ◊  
 Wishau James P \*  
 Zimbric Gary A \*

Zimbric Susan G \*  
 Zimmerman Lisa M ◊

### CLASS OF 1979

Eby Dr. Thomas L  
 Albrecht Charles H ◊  
 Bond Jeffrey R  
 Brutvan F Martin \*  
 Clark Steven L \*  
 Drinka Joseph M ◊  
 Fischer James G  
 Fisher Dirk T(R-UR) \*  
 Freeman Timothy J  
 Giese Jeffrey L ◊  
 Giesen James M ◊  
 Grunwald Ann L(R-FP) ◊  
 Hansmann David P ◊  
 Hanusa James J \*  
 Jewell Kay E(R-GR) ◊  
 Johnson Christopher \*  
 Kalish Randy J \*  
 Keamy Mitchell F(R-AN) ◊  
 Kern Jeffrey A ◊  
 Lock Thomas M  
 McDonald John V Jr \*  
 McHenry Michael G(R-FP) \*  
 Merkow Ann B  
 Mullins Maureen A(R-OB)  
 Nelson Scott R \*  
 OConnell Kevin J(R-FP) \*  
 Rettke Steven R \*  
 Richardson Thomas L(R-FP) \*  
 Roush Stephen C \*  
 Ryan Margaret M \*  
 Scherer Jeffery G \*  
 Schmitt Charles A \*  
 Schroeder Mark E(R-AN)  
 Sienkiewicz Paul J ◊  
 Singer James R(R-NP) ◊  
 Smith Gregory E  
 Synstegard Chrys A ◊  
 Thierfelder Jean L \*  
 Uber Christine L  
 Wackwitz Donald L(R-OR)  
 Welther Michael J \*

### CLASS OF 1980

Carlson Dr. James L  
 Mc Bride Dr. Patrick E  
 Adler Fischer Karen(R-FP) \*  
 Amundson Gail M \*  
 Andrew Mark H \*  
 Apyan Paul M \*  
 Atkins Edward M ◊  
 Berner James M \*  
 Butler John B \*  
 Carlson James L \*  
 Charapata Steven G \*  
 Connolly Helene \*  
 Connolly Mark M  
 Demopoulos Jean(R-OB) ◊  
 Drawbert John P ◊  
 Duppler David W \*

Erickson Daniel R  
 Fischer Michelle M \*  
 Flohr Michael J ◊  
 Gassner Kevin J  
 Geppert Thomas D  
 Hale William B \*  
 Hamelink John K  
 Harned Max A \*  
 Hendrickson Todd R \*  
 Herman John B  
 Jagemann Julie A \*  
 Jagler Sue Ellen(R-PD) ◊  
 Joseph David B(R-UR) \*  
 Jung Charles F \*  
 Kloehn David B \*  
 Knight Margaret M ◊  
 Knutson Thomas J \*  
 Kulpa Peggy J ◊  
 Lindstedt Robert J \*  
 Mahn Thomas H ◊  
 McBride Patrick \*  
 Merkow Steven J  
 Miller Dale E \*  
 Mnuk Joseph F \*  
 Mueller Joan  
 Neumann Lori L(R-FP) \*  
 Ohlrich Elizabeth S(R-PD) \*  
 Pacht Eric R \*  
 Peterson Christian(R-FP) \*  
 Reed Kurt D ◊  
 Rothe Peter R \*  
 Rotter Sari J  
 Saucier William J(R-AN) \*  
 Schaller Ivan B \*  
 Schopler Steven A \*  
 Schultz Dennis E Jr \*  
 Sexton Marjorie J(R-PD) \*  
 Sheehy Patrick G \*  
 Siebers Michael J(R-IM) \*  
 Sielaff Gerald W ◊  
 Stodola Carol D(R-FP)  
 Strobusch Alan D(R-FP) \*  
 Tipler Gene A(R-FP) \*  
 Vonck Theodore F \*  
 Watson Christopher(R-FP)  
 Watson Jo Ann(R-FP)  
 Wendelborn Daniel F  
 Wilson Bruce C \*  
 Winston Jeffrey L(R-PY) ◊  
 Zetley Linda R \*

### CLASS OF 1981

Krubsack Dr. Arnold J  
 Bavisotto Linda M(R-IM) \*  
 Bjerregaard William ◊  
 Blacher Stuart E(R-TR) \*  
 Bowman Daniel J \*  
 Brehm Joyce M ◊  
 Brown Jeffrey F  
 Calhoun Barbara L(R-PY) ◊  
 Christel Diane K(R-IM)  
 Cohen Joel N(R-TR) \*  
 Croy Steven F(R-AN) ◊

DeMott Robert K \*  
 Doermann Andreas  
 Drehmel Robert V  
 Feters Barbara R  
 Halls Juanita J(R-IM) ◊  
 Hollingsworth Samuel \*  
 Kamnetz Sandra A  
 Krieg Kathryn C  
 Krubsack Arnold J  
 Luedke Mark D  
 Merriman Kim A  
 Meyer Keith C(R-IM) \*  
 Nondahl Susan R(R-PD) \*  
 Ottery Faith D ◊  
 Passow Tara L(R-DY) \*  
 Rezek Donald L  
 Richie Anthony J ◊  
 Schumann Ellen M \*  
 Steinke Emil B \*  
 Stieber Scott F  
 Strong Jeffrey A(R-FP) \*  
 Wellenstein Gail A  
 Wienkers Kevin P \*

### CLASS OF 1982

Kohn Dr. Donald B  
 Albert Russell D \*  
 Becker Daniel F \*  
 Burns Lawrence S \*  
 Carlson Trent P  
 Carpenter Frederick  
 Chandler Mark C ◊  
 Dudiak Christine M \*  
 Feifarek Michael J(R-OP) \*  
 Gehring Charles J(R-AN) ◊  
 Gill Gregory L(R-FP) \*  
 Grajewski Michael A \*  
 Heidenreich Wayne F  
 Henkel Philip S(R-AN) \*  
 Hilleren David J  
 Hunter Susan K \*  
 Jacobson Robert L ◊  
 Johnsrud Erik P \*  
 Kears Robert A \*  
 Kindt Gary C  
 Lazcano Antonio M ◊  
 Livermore John T \*  
 Maestas Andrew L ◊  
 Mathews Edwin L  
 Navratil David L \*  
 Newman Karl F \*  
 Olbrantz Keith R \*  
 Schwabe Mark G(R-OB) \*  
 Sisson Larry A ◊  
 Smejkal Randy  
 Snedeker Jeffrey D ◊  
 Springer Errol R ◊  
 Stark Judith M  
 Stark Randall P  
 Studey Curtis L \*  
 Weiss Marc G(R-PD) \*  
 Zabrowski Randal J



# CLASS OF 1983

Smith Dr. Brian D  
Anderson Todd F \*  
Bartell Thomas H  
Berg Eric R(R-DY)  
Cardozo Christopher ◊  
Carlson Robert A(R-PT)  
Christman Gregory M(R-OB)  
Claassen Janet L(R-PD)  
Dumenco Luba L  
Dzelzakalns Janis I  
Farrell Carolyn J(R-AN) ◊  
Freedman Janet E  
Geldner Peter D  
Gosewehr Jim A(R-OB) \*  
Gutzke Glen E ◊  
Keyes Craig W \*◊  
King James A  
Koritzinsky Gary M  
Krohn Gill Kathryn A(R-FP) \*  
Panzer Fred D \*◊  
Pavlik William J  
Peterman Michael J \*◊  
Rasmussen John F \*  
Rice Hope M ◊  
Sanyer Osman N \*  
Sienko Dean G  
Slocum Peter A  
Smith Brian D \*  
Smith William A ◊  
Stoehr Bruce J Jr \*◊  
Urban Michael J ◊

# CLASS OF 1984

Arnold Dr. Donald E  
Madsen Dr. Karin E  
Abrams Bruce R ◊  
Albert Mary J  
Boushea Deborah K(R-IM) \*  
Brusky John E ◊  
Brynildson Sancee M \*◊  
Campbell Lori A  
Dawson Michael J  
Dinnies Jane D  
Gaynor Victoria O \*  
Hanneman Wendy L(R-FP) \*  
Hinds Ralph W III ◊  
Hughes Kathleen A \*◊  
Jablonski Daniel F  
Jacoby Philip E(R-FP) \*◊  
Kieser Randall J ◊  
Kruk Kathleen A ◊  
Kruk Michael L ◊  
Kurowski Kurt \*◊  
Madsen Karin E  
Mallampalli Rama K  
Mead Robert C \*◊  
Meyer Michael J(R-FP) \*  
Moths Elisabeth J ◊  
Pasierb Judith L ◊  
Pershing John J \*  
Scherer Mark J

Scherwinski David L ◊  
Schmitt Joseph W  
Stone Gwen E  
Summerville John W ◊  
VanWormer Valerie H ◊  
Vogel Kathy A(R-OP)  
West Ann H  
Wick Kathleen M \*◊  
Zielinski Jeffery J \*  
Zimmermann Ellen M(R-IM)

# CLASS OF 1985

Hertler Dr. Craig K  
Novacheck Dr. Tom F  
Blake Donna Jo  
Brewer Jack A  
Brotz Brian M \*  
Bruno James V  
Carneol Mitchell G \*  
Crispell Jeffrey H(R-AN)  
Emanuel Peter D  
Fedderly Bradley J \*  
Friedman Kim S \*  
Gabert Thomas C  
Garvin Cress J(R-OB) \*  
Hampton Tracy A  
Hardacre Jerry M  
Jaeger Thomas M  
Jaszewski Paul K  
Jedele Kerry B  
Johnson Brian C  
Knuth Christopher J  
Larsen David A \*◊  
McCarthy David D \*  
Mitby Julie K ◊  
Murphy John W \*  
Musolf Karen Lee  
Nicholson James J  
Novacheck Tom F \*  
OBrien Patrick D \*◊  
Peterson Lon B  
Pizer Steven J ◊  
Saphner Thomas J(R-IM)  
Schroeder Martin J \*  
Siegel Benjamin V Jr  
Singer Eric C \*◊  
Solis Kenneth M  
Stauss Thomas G  
Sykes Jonathan P  
Taylor Joanne L(R-PD) \*  
VanRuiswyk Jerome V \*  
Vukovich Jonathan G ◊  
Weigand Truman F  
Weiss Steven D ◊  
Welter Timothy M ◊  
Zirneskie Joseph D \*

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Solberg Dr. Matthew A  
Aasen Mark K  
Cates Robert C  
Chybowski Frank M  
Gray Pamela J \*◊  
Haas Randall S  
Hagen Scott A  
Haker Katherine M \*◊  
Heili Michael J  
Hinke David H  
Howard Daniel K  
Kemp Glen J Jr  
Krause Forrest J  
Mitchell Elizabeth M  
Mitchell James R  
Nienhuis Barbara J  
Nienhuis David M  
Serpella Patrick R  
Steiner Robert D  
Waniger Rick J

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Stitgen Dr. Stuart H  
Anders Mark J \*◊  
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Biskobing Diane M \*  
Braun Michael A  
Dudiak Kika M \*  
Duthie Susan E \*  
Evenson Diane M  
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Gvora Thomas J \*  
Holmquist Sonya J  
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Kumm Randal C  
Mayland Diane M  
McGrath Mary E  
Meurer John R \*  
Moths Bruce F  
Neuman Michael J  
Northern Katherine E  
Petty Elizabeth M  
Pitot Henry C IV \*  
Polus Jacqueline F(R-FP) \*  
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Rahn Cynthia L  
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Warren John T ◊  
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Whitcomb Robert M \*  
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Bachhuber Brian G  
Balliet Kelly A  
Chu Sandra  
Crowe Deborah J  
Frank Michael O  
Kaufer Daniel I  
Lambo Michael J  
Lang Gerald J  
Richards Joseph V  
Stoeckl Joseph  
Weber Maria T ◊

# CLASS OF 1989

Bernstein Dr. Dana R  
Boush Dr. G Andrew  
Schaus Dr. Kathryn K  
Bradmon Suzanne M  
Grieshop Neil A  
Keller Christopher J  
Scherer Paul J  
Schultz Robert J  
Segaloff David S  
Tuttle Renee T

# FORMER HOUSE STAFF

Donors are listed by specialty.

# INTERNS ◻

Grabois Dr. Martin  
Chojnacki Michael J  
Fahien Leonard A  
Grabois Martin \*  
Henderson Wayne B \*  
Iglauer Arnold  
Lowe Heber H \*  
Meltzer Morton \*  
Moskowitz Peter S ◊  
Reisman Jerald L \*  
Wellborn William R  
Zohlman Robert S

# ANESTHESIOLOGY RESIDENTS ◻

Carlson Dr. Sheila K  
Bamforth Betty J \*◊  
Coursin Douglas B  
Davis Milton Jr ◊  
Evans Bruce W ◊  
Humphreys Chris E \*  
Motl Margaret A  
Neff William B  
Rowe Lewis L \*  
Slocum Harvey C  
Smith Theodore C \*◊  
Templeton Nina  
Templeton Thomas W  
Tracer Charles L ◊



# HONOR ROLL

## DERMATOLOGY RESIDENTS □

Schuster Dr. Donald S  
McDonald Robert A \*  
Miller William C  
Parnell Diana D \*  
Redding Keith G  
Reizner George T  
Ridgway Hal B \*

## FAMILY MED & PRACTICE RESIDENTS □

Harms Dr. Ronald L  
Beasley John W  
Powers Thomas J  
Rowe Susan K  
Weber David R  
Zenner Thomas M

## GENERAL SURGERY RESIDENTS □

Koepeke Dr. Donald E  
Bloom Robert F \*  
Deierhoi Mark H \*  
Hogle Glen S \*  
Kotynek Jan G  
Kurtz Jeffrey A  
MacGregor John K  
Macedonia Dominic A \*  
Mendenhall John T \*  
Suarez Louis A

## HUMAN ONC/CLINICAL ONC RESIDENTS □

Love Richard R \*  
Skelley Mark J

## INTERNAL MEDICINE RESIDENTS □

Taylor Dr. Benton C  
Blume Peter  
Browning Thomas H \*  
Cline William S \*  
Cookson David U  
Craig William A \*  
Crocker Laurence G  
Dalessio Donn J  
Fritzsch Rebecca S \*  
Graziano Frank M \*  
Heinrich Gerhard  
Hetsko Cyril M  
Horowitz Harold W  
Horvath Edward P Jr \*  
Johnson Francis C  
Jones Jeffrey M  
Kabler J D  
Lamb Patricia L  
MacKinney Archie A  
Macken Patrick D  
Nelson Margaret V \*  
Olson Donald E \*  
Ousley Joseph L \*  
Randt George A \*  
Reese Owen G Jr  
Sims J Leroy \*

Smith Michael J  
Tanner Martha H  
Updike Stuart J  
Varanasi U R  
Wilson Pamela A  
Yamamoto Dennis T \*

## NEUROLOGICAL SURGERY RESIDENTS □

Meyer Dr. Glenn A  
Ablin George  
Langheim Werner E  
Tibbetts James C

## NEUROLOGY RESIDENTS □

Shewmake Dr. Karl E  
Chun Raymond  
Hansotia Phiroze  
Lee Yu En  
Szmanda Raymond J

## OBSTETRICS GYNECOLOGY RESIDENTS □

Pelerson Dr. Sam G  
Broekhuizen Fredrik  
Donovan Scott W  
Fabiny Robert J  
Hartfiel Donna R \*  
Hoogerland David  
Shaffer Richard L  
Watson John D

## OPHTHALMOLOGY RESIDENTS □

Pointer Dr. Robert W  
Appen Richard E  
Blau Robert P \*  
Davis Matthew D \*  
Dortzbach Richard K  
Fishburn Bruce R \*  
Kanner Albert V  
Klein Barbara E K  
Klein Ronald \*  
Kraft Stephen E  
Kushner Burton J \*  
Miller Steven A \*  
Myers Frank L  
Peabody Cary S \*  
Schott Edward G  
Shields Robert L  
VanWesep Gerard L  
Weber Steve W

## ORTHOPEDIC SURGERY RESIDENTS □

Mcbeath Dr. Andrew A  
Keene Dr. James S  
Bruno Domenick S  
Bryant David G

## OTOLARYNGOLOGY RESIDENTS □

French Jerome E

## PEDIATRICS RESIDENTS □

Zupanc Dr. Edward  
Behrman Ann T  
Giltz Carol R  
Opitz John M  
Read William T Jr  
Sondel Paul M  
Zupanc Edward

## PLASTIC SURGERY RESIDENTS □

Wiviott Dr. Wilbert  
Strinden William D

## PATHOLOGY RESIDENTS □

Moyer Dr. Geoffrey H  
Birge Edward A  
Haverty Gary F \*  
Henshaw H Cullen  
Hofer Mark W  
Schwartz Sheldon M \*  
Turski Deborah

## PSYCHIATRY RESIDENTS □

Barklage Nancy E  
Crowell Judith A  
Factor Robert M  
Land James F  
O'Neill Michael J  
Pearlman Mary I  
Schmidt Gregory L

## RADIOLOGY RESIDENTS □

Hinke Dr. Marvin L  
Crummy Andrew B \*  
Flaherty Timothy \*  
Juhl John H \*  
Martens Jacob H \*  
Scanlan Kathleen A  
Schulman Edward Y \*  
Sherry James J  
Turski Patrick A  
Wilson Eric B \*  
Winston Margaret C

## UROLOGY RESIDENTS □

Graf Dr. Christopher A  
Leifer William W \*

## FACULTY □

Rowe Dr. George  
Anderson John W  
Barness Enid Gilbert  
Berman Alvin L  
Bertics Paul J  
Bittar E Edward  
Blockstein William L  
Borden Ernest \*  
Brazy Jane E  
Brew Barbara A  
Brown Arnold L \*  
Brown Raymond R  
Brugge John F  
Bush George L  
Carbone Paul P \*

Clark Allen W  
Clifton Kelly H \*  
Dick Elliot C  
Eichman Peter L  
Engerman Ronald L \*  
Ford Charles N \*  
Fye W Bruce  
Goetsch Steven J \*  
Goldfarb Stanley  
Hanson Peter G  
Hanson Peter G  
Hind Joseph E Jr  
Hong Richard \*  
Hudson Ralph F  
Inhorn Stanley L  
Jacobson Foster J  
Jovanovic Dusan  
Keesey Ulker  
Koenig Erwin F \*  
Kornuth Steven E  
Kreul John F \*  
Laxova Renata \*  
Leavitt Judith W  
Martin Chester B Jr \*  
Matthews Charles G  
McKinney William T  
McManama Jerome C  
Metzenberg Robert \*  
Meyer Thomas C \*  
Paliwal Bhudatt  
Pettersen James C  
Pitot Henry C  
Rahko Peter S \*  
Rao P Syamasunder  
Roggensack George F \*  
Samter Thomas G  
Schulz Rockwell  
Slautterback David B  
Smith Donald W  
Sorenson James A  
Steeves Richard A \*  
Subramanian Ramiah  
Sufit Robert \*  
Susman Millard \*  
Temin Howard M  
Uehling David T  
Vidruk Edward H  
VonEhren Warren R  
Weisblum Bernard  
Wikler Daniel I  
Wilding George  
Woodson Robert D  
Yale Charles E  
ZuRhein Gabriele M

## PRECEPTORS □

Pratt George F

## FORMER FACULTY □

Coye Robert D  
Crowley Lawrence G  
Handy George H \*  
Hawley Ralph A  
Thompson H G



# HONOR ROLL

## EMERITUS FACULTY □

Atix Frank H \*  
Benforado Joseph M  
Bennett E Maxine \*  
Boutwell Roswell K  
Cameron John R  
Crow James F  
Fey William F  
Forster Francis M  
Graham David T \*  
Graham Frances K  
Miller James A  
Mossman Harland W  
Orsini Margaret W  
Potter Van R  
Ruzicka Francis F  
Thorngate Alice \*  
Walker Duard L  
Wilson Joe B \*  
Wolf Richard C \*  
Woolsey Clinton N

## FRIENDS □

Abraham Nancy  
Aiken & Mawicke S C  
Alba Reeb Cathy  
Anding Kathy A  
Anonymous  
Anonymous  
Anonymous  
Barnes Lewis A  
Bent Betty J  
Bergenske Otto  
Bier Mr & Mrs Thomas  
Bintz Mr & Mrs Roger  
Birnbaum W \*  
Block Cleaners  
Bornstein Ronald C \*  
Boyle Patrick G  
Brown Co Womens/Aux  
Brown Robert H III  
Buchanan Robert M  
Burnham Richard M  
Caffrey J  
Cash Receipts  
Champ Mr & Mrs David  
Chen W Y  
Christensen Carl W  
Conne Richard M  
Connor James R  
Cook Robert E  
Cummings Burdean  
Damiani S M  
DeNoble Hart B  
Deutsch R K  
Dickie Ruth S  
Dodge Co Med W/Aux \*  
Dohler David E  
Domesick Julia M  
Donarski D  
Dorschel Griffin G  
Dreher B \*  
Driscoll Loren Mrs

Eberhardt Roger  
Eberhart Alan A  
Edelblute Lyle H  
Endres Jack  
Farwell Gretchen  
Feldman Leo S  
Fish Ody J  
Fond du Lac Co W/Aux \*  
Frase Jan  
Fredrickson James L  
Friedman Harry  
Friedman M Paul  
Froland Jean & Peter  
Geiger Mildred S  
Geldner Barbara \*  
Geldner Michael  
Giffen G  
Gilman Daniel  
Graham Jack  
Grant Co Med W/Aux  
Great Plains Org  
Greenhill H Gaylon  
Gunderson Adolph L  
Gust Jerry & Nancy  
Hanson Camilla R  
Hanson Mary I \*  
Hastreiter Mark T \*  
Hawley Richard W  
Heckrodt Frank H  
Heintz N V  
Henning Dan & Carol  
Henning Jim & Nancy  
Hicks B  
Hogan Peggy  
Holt Ronald W  
Hoops H  
Horgen Dorothy I  
Icks Margaret Keenan  
Irwin Douglas W  
Isom R  
Jacobson Rodney L  
Jefferson Frieda P  
Johnson Clarice L  
Johnson Ruth E  
Kaftan Law Offices  
Kang S B  
Kelley Jacqueline  
Kennedy Duncan T \*  
Killoran Bernard O  
Kissinger Kenneth A  
Klinke Marsha L  
Klund Jan W  
Knowles Warren P  
Knudson Rosa E  
Krasno Mrs Estelle  
Kritzik Stanley Fdn  
Lake Mills Cleaners  
Lee Michael J  
Levinson Steven L  
Liddicoat Ins Agency  
Lindeen Sharon  
Luckhardt Esther D  
Lyall Katherine

Lyon Barbara A  
Lyon Thomas L  
Marathon Co W/Aux  
Marlett M \*  
Marnocha Raymond A \*  
Martin Mrs Margie S  
McCormick Raymond A  
McDonald Linda K  
McGregor Jane Dickie  
McGuire George  
Meier Joyce A  
Merrill Lynch Realty  
Meuer Antoinette S  
Mills Mr & Mrs John  
Milson S  
Milwaukee Co W/Aux  
Motto Joy  
Murphy Marion C  
Myers Richard L  
Nadeau George  
Neurological Surgery  
Newcomer Barbara \*  
Nishioka Hiro  
O'Connor J \*  
OHarrow Russell J  
Ogden J Scott  
Olen Marcia M  
Ozower T  
Patek Monnot Nancy  
Pathakjee Bharat  
Peterson Isabelle  
Physician Asst Prog  
Pond Systems Inc  
Portch Stephen R  
Rainone Rebecca M  
Rasmussen Glendolan  
Rater C J  
Reedy George E  
Reivitz Linda Rae  
Rejahl Rollyn L  
Rock Shirley J  
Sage Judith W  
Scheible Mrs Frank  
Schilling Paul R  
Schmitz William R  
Schoenfeld Elizabeth \*  
Schroeder James W  
Schwartzing Milton A  
Schwiesow K \*  
Segersin Edward L  
Sell Kathleen R  
Sencer Walter  
Shaw Kenneth A  
Sheboygan Co W/Aux  
Siebert Edward J  
Simmons Mrs Warren K  
Sipes D  
St Lukes Lutheran  
Stankevych A  
Talens A  
Terrien Gertrude R  
Thibodeau Gary A  
Thomas Peter A

Traver Jon & Peggy  
Troup Richard H  
Univ Ob Gyn Assoc  
Univ Pediatric Assoc  
VanGiesen Lee \*  
WI Energy Corp Inc  
WI State Med Soc W/A \*  
WI/MI Auto Salvage  
Wagner Herman L  
Walker Susan G  
Waller Tom & Carol  
Ward Judith  
Warren Kenneth L  
Watkins Mr & Mrs C E  
Watson R  
Weavill Herbert C  
Webb Herb & Barbara  
Wenger Robert J  
Werbel James  
Werbel Larry S  
Whitcomb Dorothy  
Whiting E Darlene  
Winer Emily S  
Wisner Shirley M  
Witte Hollison Lynne  
Yao F  
Zimmerman Beverly A  
Zimmerman Mary R  
Zweifel Elaine

## WIDOWS/WIDOWERS □

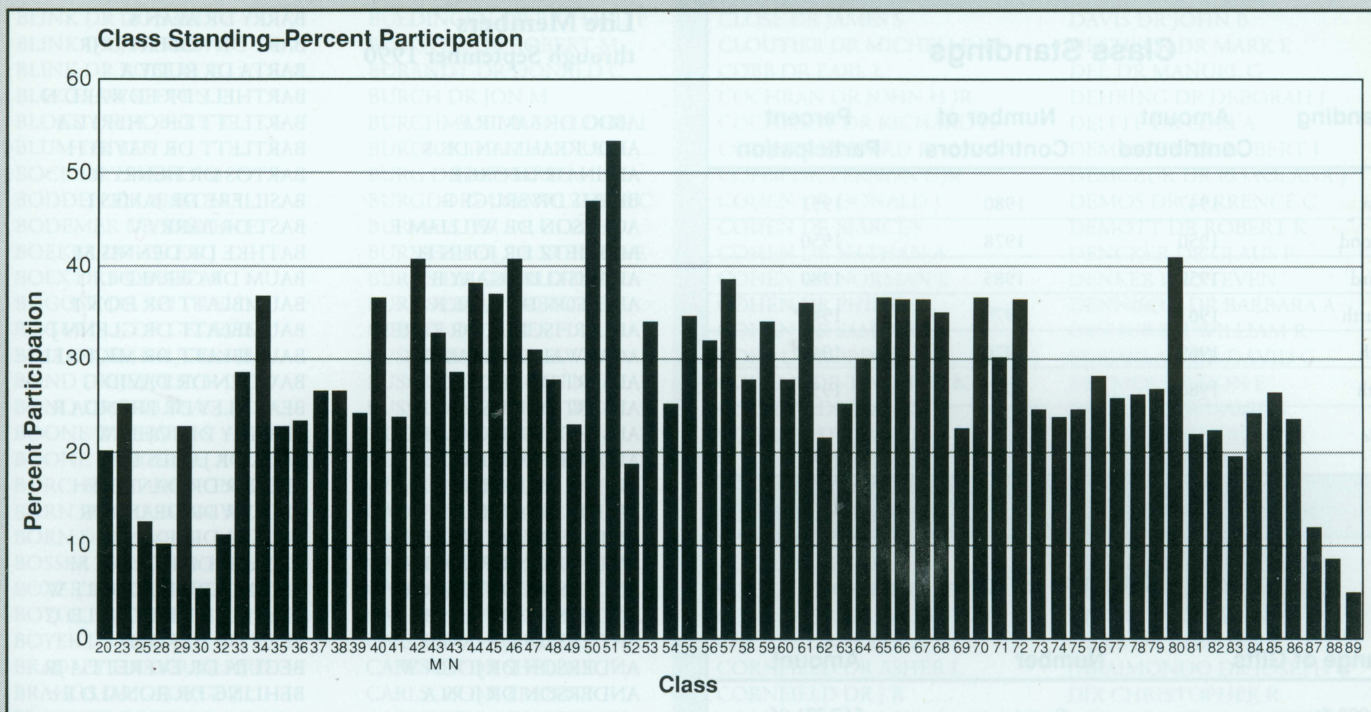
Angevine Mrs D M  
Blanchard Mrs Porter  
Brouwer Mrs Stephen  
Campbell Mrs Ralph E  
Dewey Mrs Nancy F  
Hickey Mrs Lola G  
Keller Mrs Leigh W  
Lawton Mrs Ben R  
Lefebvre Mrs Edward J  
Lundt Mrs Milo O  
Mortensen Mrs Otto A  
Okagaki Mrs Henry  
Paul Mrs Lester W  
Pernot Mrs Robert D  
Rank Mrs P Peter  
Salinsky Mrs Lester  
Scheible Mrs Frank J  
Schoenenberger Mrs A  
Senty Mrs Robert M  
Skeels Mrs Robert F  
Trewick Mrs David N  
Urban Mrs Walter J  
Wasserburger Mrs R H  
Wegmann Mrs George H



### Annual Participation by Class 1989-1990

Class	Number in Class	Number of Contributors	Percent Participation	TOTAL	Class	Number in Class	Number of Contributors	Percent Participation	TOTAL
1913	1	0	0.0	\$0.00	1956	69	22	31.8	\$2,805.00
1915	1	0	0.0	\$0.00	1957	73	28	38.3	\$10,640.50
1917	2	0	0.0	\$0.00	1958	72	20	27.7	\$5,535.00
1918	2	0	0.0	\$0.00	1959	65	22	33.8	\$3,875.00
1919	1	0	0.0	\$0.00	1960	69	19	27.5	\$5,945.00
1920	5	1	20.0	\$25.00	1961	81	29	35.8	\$3,325.00
1921	3	0	0.0	\$0.00	1962	84	18	21.4	\$2,690.00
1922	5	0	0.0	\$0.00	1963	68	17	25.0	\$9,370.00
1923	8	2	25.0	\$150.00	1964	77	23	29.8	\$4,265.00
1924	11	0	0.0	\$0.00	1965	77	28	36.3	\$5,545.00
1925	8	1	12.5	\$200.00	1966	80	29	36.2	\$6,395.00
1926	9	0	0.0	\$0.00	1967	91	33	36.2	\$7,130.83
1927	11	0	0.0	\$0.00	1968	95	33	34.7	\$6,946.00
1928	10	1	10.0	\$1,000.00	1969	93	21	22.5	\$8,721.50
1929	22	5	22.7	\$1,254.00	1970	93	34	36.5	\$4,200.00
1930	19	1	5.2	\$200.00	1971	100	30	30.0	\$5,325.00
1931	21	0	0.0	\$0.00	1972	91	33	36.2	\$4,296.00
1932	36	4	11.1	\$509.00	1973	102	25	24.5	\$3,780.00
1933	35	10	28.5	\$3,035.00	1974	123	29	23.5	\$5,325.00
1934	30	11	36.6	\$1,800.00	1975	122	30	24.5	\$3,536.00
1935	44	10	22.7	\$1,655.00	1976	135	38	28.1	\$6,080.00
1936	43	10	23.2	\$1,012.00	1977	148	38	25.6	\$5,765.00
1937	38	10	26.3	\$1,650.00	1978	168	44	26.1	\$5,089.50
1938	49	13	26.5	\$3,165.00	1979	150	40	26.6	\$4,785.00
1939	50	12	24.0	\$6,558.00	1980	157	64	40.7	\$8,236.00
1940	52	19	36.5	\$8,217.50	1981	151	33	21.8	\$3,125.00
1941	59	14	23.7	\$1,245.00	1982	162	36	22.2	\$3,620.00
1942	32	13	40.6	\$1,785.00	1983	154	30	19.4	\$4,835.00
1943M	52	17	32.6	\$5,400.54	1984	149	36	24.1	\$3,449.00
1943N	49	14	28.5	\$1,153.05	1985	160	42	26.2	\$2,170.00
1944	50	19	38.0	\$4,420.00	1986	150	35	23.3	\$1,425.00
1945	57	21	36.8	\$3,140.00	1987	160	19	11.8	\$895.00
1946	59	24	40.6	\$2,888.50	1988	153	13	8.4	\$505.00
1947	52	16	30.7	\$17,016.00	1989	145	7	4.8	\$185.00
1948	40	11	27.5	\$2,800.00	1990	119	0	0.0	\$0.00
1949	48	11	22.9	\$1,420.00					
1950	62	29	46.7	\$13,135.00	SUB TOTAL	5,387	1,404	26.0	\$272,870.92
1951	62	33	53.2	\$6,710.00					
1952	59	11	18.6	\$3,470.00					
1953	71	24	33.8	\$5,015.00					
1954	72	18	25.0	\$6,605.00					
1955	61	21	34.4	\$6,422.00					





### Annual Giving by House Staff

	Number in Specialty	Number of Contri- butors	Percent Participation	Total
<b>FORMER HOUSE STAFF</b>				
INTERNS	416	11	2.6	\$505.00
<b>RESIDENTS</b>				
ANESTHESIOLOGY	160	13	8.1	\$1,441.10
DERMATOLOGY	45	6	13.3	\$205.00
FAMILY MED & PRACTICE	222	5	2.2	\$235.00
GENERAL PREVENTIVE MED	1	0	0.0	\$0.00
GENERAL SURGERY	135	9	6.6	\$2,525.00
HUMAN ONC/CLINICAL ONC	45	2	4.4	\$275.00
INTERNAL MEDICINE	600	31	5.1	\$3,731.10
NEUROLOGICAL SURGERY	29	3	10.3	\$225.00
NEUROLOGY	110	4	3.6	\$575.00
OBSTETRICS GYNECOLOGY	83	7	8.4	\$766.10
OPHTHALMOLOGY	120	17	14.1	\$14,400.00
ORTHOPEDIC SURGERY	95	2	2.1	\$72.00
OTOLARYNGOLOGY	34	1	2.9	\$50.00
PEDIATRICS	188	6	3.1	\$310.00
PHYSICAL AND REHAB MED	17	0	0.0	\$0.00
PLASTIC SURGERY	39	1	2.5	\$100.00
PATHOLOGY	103	6	5.8	\$566.10
PSYCHIATRY	171	7	4.0	\$1,065.00
RADIOLOGY	125	10	8.0	\$1,605.00
UROLOGY	50	1	2.0	\$25.00
<b>SUB TOTAL</b>	<b>2,788</b>	<b>142</b>	<b>5.0</b>	<b>\$28,676.40</b>



## Class Standings

Standing	Amount Contributed	Number of Contributors	Percent Participation
First	1947	1980	1951
Second	1950	1978	1950
Third	1957	1985	1980
Fourth	1963	1979	1946*
Fifth	1969	1976*	1942*
Sixth	1980	1977*	1957
*Tie			

## Alumni Gifts

Range of Gifts	Number	Amount
\$3,000 & over	9	\$67,271.86
\$1,000 - \$2,999.99	60	\$73,615.00
\$500 - \$999.99	90	\$51,097.04
\$250 - \$499.99	162	\$47,336.70
\$100 - \$249.99	700	\$88,380.72
\$50 - \$99.99	348	\$18,746.83
\$25 - \$49.99	343	\$9,801.10
All Others	153	\$2,172.25
<b>Total</b>	<b>1,865</b>	<b>\$358,421.50</b>

## Annual Giving by Faculty MD's not from UW Medical School

	Number of Contributors	Total
Faculty	69	24,087.58
Preceptors	1	\$50.00
Former Faculty	5	\$350.00
Emeritus Faculty	20	\$8,105.00
Others	200	\$19,468.60
PH.D.	0	\$0.00
Widows/Widowers	24	\$4,813.00
<b>Sub Total</b>	<b>319</b>	<b>\$56,874.18</b>

## HONOR ROLL

### Life Members through September 1990

ABDO DR SAMIR F	BARRY DR ALAN S
ABDURRAHMAN DR S	BART DR ROBERT D JR
ABLIN DR GEORGE	BARTA DR RUDY A
BRAMS DR BRUCE R	BARTHELL DR EDWARD N
ACHESON DR WILLIAM E	BARTLETT DR CHERYL A
ADAMETZ DR JOHN H	BARTLETT DR DAVID H
ADAMSKI DR GARY B	BARTOS DR HENRY R
ADDISON DR EARL R	BASILIERE DR JAMES L
ADLERFISCHER DR KAREN	BAST DR BARRY V
AGARWAL DR AVADH B	BATHKE DR DENNIS M
ALBERT DR PHILIP R	BAUM DR GERALD L
ALBERT DR RUSSELL D	BAUMBLATT DR DON P
ALBRECHT DR CHARLES H	BAUMBLATT DR GLENN J
ALDER DR ROBERTA A	BAUMBLATT DR MICHAEL J
ALT DR STUART W	BAWDEN DR DAVID G
ALT DR WILLIAM J	BEACHLEY DR BRENDA R
AMBERSON DR STEVEN M	BEASLEY DR JOHN W
AMUNDSON DR LOREN H	BECK DR JAMES P
ANDERSON DR CHARLES J	BECKER DR DANIEL F
ANDERSON DR HENRY A	BECKER DR DEAN B JR
ANDERSON DR JAMES L	BECKER DR IRVIN M
ANDERSON DR JOHN W	BEDARD DR ROBERT M
ANDERSON DR JON A	BEDINGER DR ROBERT W
ANDERSON DR PETER G	BEECKLER DR DONALD C
ANDREW DR MARK H	BEEN DR HAROLD
ANGEVINE DR JAMES M	BEGUIN DR EVERETT A JR
APPEN DR RICHARD E	BEHLING DR RONALD E
APYAN DR PAUL	BEHNKE DR GEORGE A
ARGAND DR ROBERT D	BEHRENS DR JEROME A
ARMSTRONG DR GENE F	BEHRENS DR MARGARET C
ARNDT DR GEORGE A	BEHRENS DR SUSAN F
ARNSEN DR RICHARD B	BELL DR KEVIN E
ARON DR STEPHEN C	BELTRAN DR D J
ARTZ DR TYRONE D	BEMRICK DR ROBERT J
ARVOLD DR DAVID S	BENDER DR ROGER I
ASPLUND DR MARK W	BENISH DR GEORGE A
ASPLUND DR MERNE W	BENKENDORF DR CHARLES
ATWELL DR ANTHONY E	BENSON DR GEORGE B
AUFDERHAAR DR HENRY W	BENSON DR WILBUR M
AVEDIAN DR LEONARD V	BENTLEY DR JOHN D
AVERBOOK DR BERYL D	BENZMILLER DR JAMES A
AYRES DR WILLIAM H	BERENTSSEN DR THOMAS R
BABBITT DR DONALD P	BERGEN DR TAMARA S
BAERNSTEIN DR H DANIEL	BERGER DR MAURY B
BAKER DR DURWARD A	BERMAN DR MARSHALL L
BALDWIN DR ELIZABETH R	BERMAN DR ROBERT L
BALDWIN DR STEPHEN R	BERNARDONI DR ROBERT J
BAMFORTH DR BETTY J	BERNDT DR THEODORE B
BANERJEE DR TARIT K	BERNHARDT DR DAVID T
BARBO DR DOROTHY M	BERNHARDT DR LOUIS C
BARCOME DR DONALD F	BERTELSON DR KENNETH P
BARDEEN DR ANN	BERTRAND DR MARC L
BARETA DR JOHN M	BESETH DR DOUGLAS J
BARGREN DR JOHN H	BETLACH DR DOROTHY W
BARKER DR DONALD E	BETLACH DR EUGENE H
BARKER DR JOHN D JR	BETTS DR LAWRENCE T
BARNES DR HALDOR PETER	BILLINGS DR JAMES E
BARNES DR ROBERT A	BINDER DR JAMES P
BARR DR CONSTANCE S	BINGHAM DR W GEORGE JR
BARR DR VINCENT P	BISHOP DR HAROLD F
BARRICK DR RICHARD B	BLACHER DR STUART E
	BLACK DR MICHAEL J
	BLANCHARD DR PORTER B
	BLATNIK DR STEVEN
	BLAU DR ROBERT P



# HONOR ROLL

BLINK DR DONALD V	BUEDINGEN DR RICHARD P	CLOSE DR JAMES S	DAVIS DR JOHN B
BLINK DR JEFFREY A	BUMSTED DR ROBERT M	CLOUTIER DR MICHELLE M	DECHECK DR MARK E
BLINK DR ROBERT C	BURANDT DR DONALD C	COBB DR EARL L	DEE DR MANUEL G
BLOCH DR STEVEN P	BURCH DR JON M	COCHRAN DR JOHN H JR	DEHRING DR DEBORAH J
BLOCK DR ROBERT T	BURCHMAN DR SHELDON L	COCHRANE DR RICHARD H	DEITTE DR LORI A
BLUM DR BEN B	BURDICK DR CLAUDE O	CODY DR EDWARD F	DEMASTER DR ROBERT J
BOCK DR HARVEY M	BURG DR RICHARD M	COFER DR VERNON L JR	DEM CZUK DR ROXOLANA J
BODDEN DR ALISON A	BURGDORF DR WALTER H C	COHEN DR DONALD J	DEMOS DR TERRENCE C
BODEMER DR STEVEN E	BURMEISTER DR GLEN E	COHEN DR MARCUS	DEMOTT DR ROBERT K
BOEKER DR ALLEN J	BURMEISTER DR RONALD E	COHEN DR NATHAN A	DENCKER DR CLAUS P
BOEX DR ROBERT M	BURNS DR CHARLOTTE A	COHEN DR NORMAN E	DENKER DR STEVEN
BOGOST DR KEITH E	BURNS DR LAWRENCE S	COHEN DR PHILIP	DENNISON DR BARBARA A
BOGUMILL DR GEORGE P	BURPEE DR JAMES F	COHEN DR SAMUEL M	DESHUR DR WILLIAM R
BOLLINGER DR JOHN T	BUSBY DR MICHAEL	COKE DR ROBIN D	DESJARLAIS DR DAVID C
BOND DR JEFFREY R	BUSER DR CHARLES N	COLGAN DR TIMOTHY K	DETMER DR DON E
BOND DR PHILIP A	BUSSE DR WILLIAM W	COLLETT DR NANCY B	DEUBLER DR DAVID J
BOONE DR ERVIN S	BUTLER DR JOHN B	COLLOPY DR PAUL J	DEVAN DR DOUGLAS G
BOONE DR JUDITH A	BUTTKE DR JAMES F	COMBS DR JAMES A	DEVORE DR JAY S
BORCHARDT DR RONALD E	BYLA DR JONAS G	CONDIT DR RANDALL S	DEVRIES DR ELLEN M G
BORN DR FREEMAN W JR	CADWELL DR ROBERT E	CONNALLY DR JOSEPH JR	DICELLO DR JACALYN M
BORN DR JEAN L	CAMENGA DR DAVID L	CONNOLLY DR HELENE	DICKIE DR HELEN A
BOSSER DR SONYA K	CANDY DR ARDIS J	COOK DR WILLIAM A	DICKMANN DR RICHARD C
BOXER DR RICHARD J	CARD DR WILLIAM H	COOKE DR CYNTHIA W	DIEROLF DR EDWARD J
BOYCE DR DAVID C	CARLEY DR WILLIAM C	COOLEY DR CHARLES J	DIETRICHSON DR W S
BOYER DR SAM H	CARLSON DR JAMES L	COOLEY DR PETER A	DIPPE DR STEPHEN E
BRADLEY DR DOUGLAS D	CARLSON DR SHELIA K	CORNFIELD DR ASHER L	DIRAIMONDO DR JOSEPH C
BRAHOS DR GEORGE J	CARLSON DR TRENT P	CORNFIELD DR J R	DIX CHRISTOPHER R
BRAKE DR DAVID	CARPENTER DR F J JR	CORNFIELD DR JOEL	DOERING DR MATTHEW P
BRANDABUR DR JOSEPH H	CARPENTER DR MARK M	CORNFORD DR RAYMOND C	DONHOWE DR JOHN M
BRANDENBURG DR JAMES H	CARTER DR WILLIAM L	COUCH DR DEBORAH L	DONKLE DR JAMES B
BRANHAM DR ROGER V	CASEY DR J MURRAY	COUNIHAN DR COLLEEN M	DONLIN DR WILLIAM F
BRAUN DR CHERYL SAMPE	CASKEY DR PAUL M	COWLES DR MARY B	DONOVAN DR TIMOTHY J
BREITENFIELD DR R V	CASS DR ROGER M	COYNE DR TERRANCE C	DORTZBACH DR RICHARD K
BRENNAN DR JOHN T	CASTILLO DR MARCELO	CRAEMER DR RAY L	DOTY DR JOHN W
BRENNOM DR WILLIAM S	CASTILLO DR WILFRIDO E	CRAIG DR WILLIAM A	DOUGLAS DR ROBERT F
BRINDLEY DR CLARE E	CAVERLY DR OLA G	CRAM DR DAVID L	DOUGLASS DR MARGARET C
BRINGE DR JAMES W	CAYGILL DR WAYNE M	CRAMER DR GLEN G	DOW DR C THOMAS
BRITT DR ARCHIE G	CEASE DR JAMES I	CRANSTON DR ROBERT W	DOWNES DR DAVID R
BRODHEAD DR WILLIAM T	CELESIA DR GASTONE G	CROOM DR DAVID L	DRAEGER DR MARGARET R
BRODY DR LESLIE E	CHADBOURN DR JOHN A	CROWLEY DR LAWRENCE G	DREHER DR WILLIAM H
BROEKHUIZEN DR FREDRIK	CHAN DR RODNEY H	CROY DR STEVEN F	DRINKA DR JOSEPH M
BRONSON DR FREDRICK H	CHANDLER DR JOHN W	CRUMMY DR ANDREW B JR	DRURY DR COLIN J
BROOKS DR CLIFTON R SR	CHEN DR KO KUEI	CUENE DR SARA A	DUERST DR REGGIE E
BROSE DR MERLE L	CHEUNG DR ALPHONSUS L	CULLANDER DR CECIL C H	DUMENCO DR LUBA L
BROSIN DR HENRY W	CHEYDLEUR DR ELEANOR P	CULVER DR RONALD E	DUNKEL DR THOMAS B
BROTZ DR BRIAN M	CHEYNE DR KEN L	CUNNINGHAM DR M A	DUPPLER DR DAVID W
BROWN DR JAMES G	CHIROFF DR RICHARD T	CUPERY DR STANLEY G	DYER DR VERNON E
BROWN DR JEFFREY F	CHREST DR CLARENCE P	CURET DR LUIS B	DYREBY DR JAMES R JR
BROWN DR JOHN F	CHRISTEL DR DIANE K	CURRERI DR A R	EBLING DR PAUL R
BROWN DR RICHARD J C	CHRISTENSEN DR DENNIS	CUSTER DR G S	EBY DR THOMAS L
BROWN DR ROBERT O	CHRISTENSEN DR DON L	DACUMOS DR GUILLERMO C	ECKBERG DR THEODORE J
BROWN DR THOMAS E	CHRISTENSEN DR EDWARD	DAFOE DR DONALD C	ECKELBERG DR MERLYN E
BRUCE DR M JEAN	CHRISTENSON DR RICHARD	DAHL DR DIANE A	ECKERT DR GORDON L
BRUCKMAN DR JAMES E	CHRISTMAN DR GREGORY M	DAHL DR DOUGLAS D	EDLAND DR ROBERT W
BRUHN DR IRWIN J	CHUN DR MICHAEL R	DAHL DR VINCENT H	EDSON DR JACK D
BRUMBLAY DR RAYMOND S	CHUNG DR STANLEY B	DAHLEN DR JAMES H	EDWARDS DR DEARBORN
BRUNO DR DOMENICK S	CHURCH DR RUTH E	DAHLIE DR PETER N	EDWARDS DR RICHARD W
BRUSKY DR JOHN E	CLARK DR JOHN M	DANFORTH DR ROBERT C	EGGMAN DR LYNN D
BRUTVAN DR FERDINAND M	CLASEN DR RICHARD W	DANIELS DR FARRINGTON	EHLINGER DR EDWARD P
BRYAN DR GEORGE T	CLEARY DR DAN T	DANIELS DR J L	EICHMAN DR PETER L
BUCHTA DR WILLIAM G	CLEARY DR MICHAEL G	DASLER DR HERBERT A	EID DR CHARLES H
BUDNER DR HARVEY M	CLINE DR DAVID W	DAVID DR JOHN E	EID DR ROBERT E
BUDZAK DR ANN E	CLINTON DR GERALD L	DAVIDSON DR MARGARET H	EISEN DR HERBERT L
BUDZAK DR KATHRYN S	CLINTON DR ROBERT A	DAVIS DR CLAUDE D JR	ELA DR DENNIS D
BUDZAK DR LYNN M	CLONINGER DR PAUL N	DAVIS DR HUGH L	ELLIOTT DR RICHARD L



## HONOR ROLL

ELLIS DR JOHN C JR	FOX DR LEONARD L	GIERL DR PAUL R	GUTGESELL DR HOWARD P
ELLIS DR ROBERT G	FOX DR STEPHEN P II	GIESE DR JOEL C	GUTGESELL DR MARGARET
ELLSWORTH DR EDWARD L	FOX DR THEODORE C	GILBERTSON DR RUSSELL	GUTGESELL DR VICKI J
ELSTON DR A C V	FOX DR WILLIAM J	GILBERTSON DR VANITA C	GUTTMAN DR DONALD I
EMANUEL DR DEAN A	FRANCE DR THOMAS D	GILES DR LAURENCE T	GWIN DR JOHN F
ENDER DR KENNETH E	FRANK DR TERRENCE W	GILMAN DR SARI R	GYLLING DR SCOTT F
ENDERS DR GENE G	FRANKLIN DR BURTON M	GILMORE DR WILLIAM E	HAASE DR SHARON L
ENDRES DR DELORES A	FRANKLIN DR DONALD A	GILTZ DR CAROL	HABERMAN DR CLAYTON R
ENERSON DR DAVID E	FRANKLIN DR RICHARD L	GINGERY DR ROBBER R	HAGEN DR KENT E
ENGLAND DR ALBERT C	FRAZER DR SAMUEL L	GLADITSCH DR RICHARD E	HAIGHT DR BRUCE T
ENGLISH DR JOHN W	FRAZIN DR LAWRENCE J	GLAESSNER DR THEODORE	HALL DR STEVEN R
ERBSTOESZER DR JOHN W	FRECHETTE DR PAUL F	GLASSNER DR DAVID M	HAMELINK DR JOHN K
ERICKSON DR DANIEL R	FREED DR DAVID A	GLICKLICH DR LUCILLE B	HAMILTON DR PHILLIP R
ERICKSON DR MILO R	FREEDMAN DR JANET E	GLOVER DR BENJAMIN H	HAMMER DR TODD J
ESKRITT DR NYLES R	FREEMAN DR D JOE	GOBEL DR FREDARICK L	HAMMERSLEY DR D W
ESSWEIN DR JAMES L	FREEMAN DR MARY J	GOELZER DR MARK L	HAMPEL DR DONALD C
ETZEL DR RUTH A	FREI DR LONNIE W	GOESSEL DR TRACEY K	HANCOCK DR CURTIS W
EVEREST DR PAUL D	FREY DR GERALD C	GOETSCH DR FREDERICK H	HANDLER DR SHERYL M
FAHEY DR MARK R	FREY DR THOMAS	GOETZ DR DAVID R	HANDRICH DR THOMAS A
FAHEY DR PATRICK J	FRIEDMAN DR BURTON J	GOHDES DR PAUL N	HANKE DR RICHARD W
FALK DR VICTOR S JR	FRINAK DR CHARLES W	GOLDBECK DR LARRY O	HANSEN DR BARBARA E
FANCHER DR DONALD C	FROELICH DR RALPH D	GOLDBERG DR SEYMOUR R	HANSEN DR DAVID C
FANCSALI DR DENNIS F	FROLAND MRS VIRGINIA	GOLDBERG DR STEVEN L	HANSEN DR JOHN P
FARDAL DR PATRICK M	FROMME DR GLENN A	GOLDMAN DR DAVID L	HANSEN DR RAYMOND L
FARLEY DR DAVID R	FROST DR JOHN F	GOLDNER DR FRED H	HANSON DR BRUCE G
FARRELL DR CAROLYN J	FROST DR NICHOLAS R	GOLDSCHMIDT DR ROBERT	HANSON DR JAMES C
FARRELL DR PHILIP M	FRUECHTE DR DANIEL M	GOLDSCHMIDT DR RONALD	HANSON DR JAMES M
FAVARO DR MARY K	FRY DR BRADLEY C	GOLETZ DR TY H	HANSON DR JEROME R
FEDDERLY DR BRADLEY J	FRY DR JOHN R	GOLLIN DR ARTHUR L	HANSON DR JERRY B
FEIGES DR LEWIS M	FUCHS DR GEORGE J JR	GOOD DR DAVID C	HANSOTIA DR PHIROZE
FELDMAN DR ARMIN I	FUHLBRIGGE DR ARMIN R	GOODFRIEND DR T L	HARDACRE DR JERRY M
FELDMAN DR KENNETH W	FUHRMANN DR DONN D	GOODLAD DR J HOMER	HARDER DR TIM G
FELDSTEIN DR CHARLES S	FUNG DR THOMAS Y	GOODMAN DR HERBERT	HARGIS DR EDWARD L
FELDSTEIN DR ROBERT M	FUTTERMAN DR MORTON L	GORSKE DR ARNOLD L	HARKAVY DR RAYMOND
FELIX DR JACOB K	GABAY DR ELIZABETH L	GOSSET DR FRANZ R	HARKNESS DR DONALD R
FELTON DR OWEN L	GADWOOD DR KATHLEEN	GOTHGEN DR SVEND	HARPER DR DAVID G
FELTON DR THOMAS O	GAENSLEN DR FRED G	GOULD DR HOWARD R	HARRIS DR A E
FENLON DR MARK L	GAHR DR HERBERT M	GRABOIS DR MARTIN	HARRIS DR JAMES R
FERGUSON DR BARBARA B	GAILANS DR IVARS J	GRAF DR BEN K	HARRIS DR MARGARET A
FERGUSON DR SAMUEL H	GALL DR RANDALL J	GRAF DR CHRISTOPHER A	HARTENSTEIN DR HANS
FERWERDA DR J R	GALL DR WARREN E	GRAF DR RICHARD A	HARTER DR DAVID J
FETT DR JAMES W	GALVEZ DR TIMOTEO L	GRAJEWSKI DR MICHAEL A	HARTFIEL DR DONNA R
FETTERS DR BARBARA R	GANSER DR LEONARD J	GRANT DR DOUGLAS H	HARTMAN DR GARY E
FIELD DR DANIEL T	GANSHEROFF DR NEAL	GRASSESCHI DR MITCHELL	HARTMAN DR GLEN W
FIERKE DR JAY L	GANT DR GERALD C	GRASSL DR F O	HARTZMAN DR ROBERT J
FINK DR DONALD W	GARNETT DR JAMES G	GRAUL DR THOMAS C	HASELOW DR ROBERT E
FINN DR MILTON	GARSHA DR LARRY S	GRAUPNER DR KENNETH C	HASWELL DR JOHN N
FISCHER DR LOUIS C	GARVEY DR CHARLES A	GRAY DR JOHN H	HATHAWAY DR DANIEL E
FISHER DR ADA M	GARVINCRESS DR J A	GRAZIANO DR ANTHONY F	HATHAWAY DR HUBERT
FISHER DR ROBERT S	GAY DR GEORGE L JR	GREDLER DR GERALD P	HAUG DR GARY A
FITCH DR CHARLES G	GAY DR L ALLAN	GREEN DR EDWARD L	HAUSER DR CLAYTON J
FLAA DR RAYMOND C	GEE DR WILLIAM F	GREIST DR JOHN H	HAVERTY DR GARY F
FLAHERTY DR TIMOTHY T	GEHIN DR FRANCIS E	GREWE DR BRADLEY K	HAWKINS DR REBECCA L
FLESCH DR JAMES R	GEHL DR GERALD A	GRIBBLE DR ROBERT K	HAWLEY MR RALPH
FLIEGEL DR MARTIN B	GEHRING DR CHARLES JR	GRIES DR HAROLD E	HAYES DR TERRY R
FLOHR DR MICHAEL J	GEIMER DR NICHOLAS F	GROSSKLAUS DR JON E	HEDICAN DR ROBERT E JR
FOE DR RICHARD B	GERBER DR GREG J	GROSSMANN DR E E	HEGGESTAD DR KAY A
FOGARTY DR JAMES P	GERBER DR RICHARD W	GUERRERO DR JAMES S	HEIDEN DR JACK D
FOK DR JOSEPH S	GERGEN DR PETER J	GUIS DR MARGARET S	HEIDNER DR FRED C II
FOLSOM DR ROBERT J	GERLACH DR JOHN P	GULBRANDSEN DR C L	HEINEN DR ROBERT D
FOLTZ DR RICHARD N	GERNER DR MORRIS I	GUNDERSSEN DR JEROME H	HEINZ DR LEONARD M
FORMAN DR MEL A	GERSHAN DR ROBERT N	GUNDERSON DR FINN O	HELLMAN DR BARRY D
FOSDAL DR FRED A	GERSTNER DR GARY L	GUNNARSON DR RICHARD E	HELMBRECHT DR LEON J
FOX DR DAN A	GEWEKE DR LYNNE O	GUSTAFSON DR R T	HELMINIAK DR ROBERT A
FOX DR JAMES M	GIERAHN DR JAMES P	GUTENBERGER DR JAMES E	HELWIG DR KARL L JR



# HONOR ROLL

HEMINGWAY DR DENNIS L	HUGHES DR JOHN B	JUMES DR MARVIN G	KISSLING DR ARTHUR C
HENDRICKSON DR DAVID J	HUHTA DR JAMES C	JUNG DR CHARLES F	KJENTVET DR ROGER A
HENDRICKSON DR ROBERT	HUIBREGTSE DR DAVID M	JUNGERBERG DR DENNIS D	KLEINER DR JOHN P
HENDRICKSON DR TODD R	HUIBREGTSE DR WILLARD	JUSTL DR ROBERT N	KLEINERMAN DR L B
HENKE DR BRUCE W	HUIRAS DR CHRISTOPHER	KABLER DR J D	KLEVAY DR LESLIE M
HENKE DR FREDERICK W	HUIZENG DR BERNARD A	KADELL DR JEROME G	KLINE DR CARLYN M
HENKE DR JON R	HULL DR STEPHEN B	KADIN DR MICHAEL R	KLOEH DR DAVID B
HENKLE DR JOSEPH Q	HURST DR KENNETH A JR	KAGEN DR ALLAN E	KMIECIK DR JOSEPH E
HENNEY DR THOMAS E	HURWITZ DR RICHARD S	KAGEN DR LOUIS	KNECHTGES DR THOMAS E
HENSHAW DR H CULLEN	HUSTON DR ERWIN S	KAHN DR LEONARD	KNIAZ DR HARRY
HENZIG DR DENNIS A	HUTSON DR CLARE F	KALISH DR RANDY J	KOCH DR EDGAR L
HERF DR STEVEN M	HUTTER DR ADOLPH M JR	KALMAN DR GEORGE J	KOCH DR JOHN J
HERLACHE DR JOHN L	HUXLEY DR ELIOT J	KAMIENSKI DR ROBERT W	KOELLER DR ARLYN A
HERLITZKA DR ALF J	HUXLEY DR ROBERT L	KAMMER DR GRACE C	KOENECKE DR FRED H
HERMAN DR JACK J	IACOLUCCI DR JOSEPH P	KAMPSCHROER DR BERNARD	KOEPKE DR DONALD E
HERMAN DR JOHN B	IAMS DR JAY D	KANE DR DANIEL D	KOEPSSELL DR DON G
HERMAN DR LAVERN H	IHLE DR CHARLES M	KANE DR RICHARD S	KOEPSSELL DR JOHN E
HERMAN DR MARY M	IHLE DR CHARLES V	KANER DR S LAWRENCE	KOERPEL DR BARRY J
HERMANN DR JOHN P	IHLE DR PETER M	KANTER DR BRIAN D	KOHL DR MARY E
HERRELL DR DANIEL W	IRVIN DR JOHN M	KAPLAN DR AARON N	KOHLBERG DR IRVING J
HERRELL DR NANCY C	IRWIN DR WALLACE G	KAPPY DR MICHAEL S	KOHN DR DONALD B
HERRMANN DR RICHARD A	IVERSON DR LEIGH I G	KARCH DR ANN B	KONGSTVEDT DR PETER R
HERSZENSON DR SIDNEY	IVEY DR TOM D	KARPINSKI DR ANTHONY L	KONKEL DR KURT F
HERTE DR MARY C	JACKSON DR KATHERINE E	KARRAS DR THOMAS J	KONKOL DR KEITH A
HERZIGER DR JOHN W	JACKSON DR THOMAS C	KASHNIG DR DAVID M	KONNAK DR JOHN W
HERZOG DR BERNARD F	JACOBS DR ALLAN J	KASSNER DR E GEORGE	KONZ DR FREDRIC S
HERZOG DR PAUL A	JACOBS DR EDMUND B	KASTENSON DR EUGENE H	KORBITZ DR BERNARD C
HEUSER DR RICHARD R	JACOBS DR JAMIE J	KASUBOSKI DR DAVID A	KORST DR DONALD R
HILLERY DR GLENN C	JACOBSON DR ERIC S	KATCHER DR MURRAY L	KOTYNEK DR JAN G
HILLSTROM DR EARL N	JAEGER DR JOHN G	KATZ DR DAVID J	KRAMER DR BERNARD M
HIMATHONGKAM DR THEP	JAEGER DR ROBERT J	KATZ DR HENRY M	KRAMER DR DOUGLAS A
HINDS DR RALPH W III	JAESCHKE DR WALTER H	KATZ DR RICHARD H	KRAMER DR ROBERT D
HINE DR CHARLES H	JAFFE DR JEFFRY P	KAUFMAN DR JACOB E	KRANENDONK DR DONALD H
HIRSCH DR SAMUEL R	JANDA DR ALVINA M	KAYE DR DAVID L	KRATOCHVIL DR CLYDE H
HOARD DR ROBERT E	JANNEY DR W DONALD	KEALEY DR N LYNN	KRAUS DR BRUCE A
HODACH DR RICHARD J	JANSEN DR FREDERIC W	KEANE DR K M	KREJCIE DR TOM C
HOFFMAN DR NEIL A	JANSSEN DR MARTIN L	KEARL DR ROBERT A	KREUL DR JOHN
HOGLE DR GLEN S	JARAMILLO DR CARLOS	KEBBEKUS DR ROBERT A	KREUTZMANN DR ROBERT J
HOLDEN DR GENE V	JEFFRIES DR DONALD A	KEENE DR JAMES S	KRIEGER DR HERBERT D
HOLDER DR RICHARD L	JENKINS DR PAUL G	KEGGI DR JOHN MARBURY	KRIEGER DR ROBERT W
HOLICK DR MICHAEL F	JENSEN DR NORMAN M	KEHOE DR MICHAEL E	KRONCKE DR GEORGE M
HOLLANDER DR EDWARD M	JENSEN DR STEVEN R	KEHRBERG DR MARK W	KRONZER DR WILLIAM W
HOLLINGSWORTH DR S	JENSEN DR THOMAS R	KELLER DR KENT E	KRUK DR KATHLEEN A
HOLMBURG DR CHARLES E	JERANEK DR WILLIAM J	KELLER DR LEIGH W	KRUK DR MICHAEL L
HOLMES DR GUY W JR	JERDE DR RICHARD S	KELLER DR ROBERT A	KRUSE DR DIANA L
HOLT MR RONALD W	JEWELL DR KAY E	KELLER DR THEODORE	KUBALAK DR GARY M
HOLVEY DR SHERMAN M	JOHNSEN DR ARVID F	KELLEY DR WALTER M	KUBOYAMA DR ROY F
HOLZMAN DR BRUCE R	JOHNSON DR BRADLEY F	KELLY DR PAUL A	KUHL DR ROBERT D
HOMBURG DR ROBERT C	JOHNSON DR CHARLES J	KELLY DR SUSAN	KUNZ DR JEFFREY R M
HONISH DR JOHN S	JOHNSON DR F DEBORAH	KEMP DR ALLEN D	KUPLIC DR JAMES B
HOPPA DR MARY J	JOHNSON DR HOWARD H	KENDALL DR EARL A	KURITZ DR JAY J
HOPPERT DR JONATHAN H	JOHNSON DR KENNETH R	KENEY DR CHARLES W	KURTEN DR TIMOTHY A
HORAK DR RICHARD D	JOHNSON DR LARRY W	KETELHOHN DR ALAN F	KURTH DR C DEAN
HORSWILL DR C WEIR	JOHNSON DR PETER R	KIERALDO DR JOHN H	KURTZ DR PETER H
HORSWILL DR ROBERT N	JOHNSON DR RAYMOND	KIESER DR RANDALL J	KWATERSKI DR M F
HORVATH DR EDWARD P JR	JOHNSON DR SIDNEY E	KIKUCHI DR YOICHI	LAABS DR JOHN E
HORWITZ DR CHARLES A	JOHNSRUD DR ERIK P	KIND DR ALLAN C	LALICH DR JOSEPH J
HOUSE DR ROBERT H	JOLIN DR JAMES L	KINDSCHI DR GEORGE W	LAMB DR PATRICIA L
HOWARD DR D ROBERT	JONES DR PAULA G	KINDSCHI DR LESLIE G	LAMBERT DR MILTON B
HOWARD DR RICHARD K	JONES DR RICHARD J	KINSFOGEL DR EDWARD R	LAMER DR TIM J
HOWLAND DR DONALD E	JOOSS DR ROBERT L	KIPPENHAN DR JOHN E	LAMONT DR FREDERICK J
HOYER DR JOHN K	JOOSSE DR JOHN W	KIPPERMAN DR ALLAN L	LANDAUER DR MEGAN
HOYME DR STEVEN H	JORGENSEN DR NORMAN C	KIRKHAM DR WAYNE R	LANG DR GORDON E
HUCKABY DR AUDREY L S	JOSEPHSON DR THOMAS S	KIRKPATRICK DR JOHN C	LANG DR JEAN LEFEBVRE
HUEBNER DR TIMOTHY K	JUDD DR RANDY L	KISLEY DR ANTHONY J	LANGE DR THOMAS A



## HONOR ROLL

LANGER DR LEONARD O	LOOZE DR THOMAS E	MCCARTHY DR WILLIAM C	MOODY DR DAVID L
LANGHEIM DR WERNER E	LOPEZ DR JOSE E	MCCOMB DR GORDON L	MOORE DR BRIAN P
LANGHUS DR PETER A	LORTON DR RHODA E	MCCORD DR ROBERT G	MOORE DR NOLA M
LARDINOIS DR CLIFFORD	LOUIE DR GIM L	MCCORMICK DR PATRICK J	MOORE DR PATRICK J
LARME DR FRANCIS P	LOVSHIN DR LEONARD L	MCCULLOUGH DR JOHN P	MORGAN DR PAUL K
LARSEN DR DAVID A	LOW DR EDWIN S	MCDONALD DR JOHN V JR	MORRIS DR BRADLEY T
LARSEN DR JOHN R	LOYND DR GRAHAM F	MCDONELL DR TIM H	MORRIS DR D L
LARSEN DR ROY B	LU DR HSIN H	MCGUIRE DR JAMES R	MORRIS DR MARY S
LARSON DR CHRISTOPHER	LUBING DR HAROLD	MCGUIRE DR JEFFREY P	MORSCHHAUSER MS SUZAN
LARSON DR DAVID A	LUCAS DR ANDREW M	MCINTOSH DR JAMES F	MORTENSEN DR OTTO A
LARSON DR HARRY H	LUCK DR ALLAN J	MCKEE DR RONALD J	MOSKOWITZ DR IRVING I
LARSON DR JAMES A	LUEDKE DR DONALD M	MCKEE DR WILLIAM M	MOSKOWITZ DR JOSEPH Z
LARSON DR PAULA R	LUETZOW DR THOMAS J	MCKENNA DR JOHN E	MOTHS DR ELISABETH J
LASSER DR ALAN E	LULLOFF DR KIM H	MCKEOWN DR CHARLES E	MOTHS DR ROBERT W
LAUBENHEIMER DR ROGER	LULLOFF DR ROLF S	MCMLLEN DR MILTON R	MOTL DR MARGARET A
LAUFENBURG DR HERBERT	LUNDBERG DR KAY E R	MCPHERSON DR ALICE R	MOYER DR GEOFFREY H
LAWRENCE DR DAVID L	LUNDBERG DR WILLIAM I	MEAD DR ROBERT C	MUANGMAN DR VERASING
LAWRENCE DR STEVEN L	LUNDEEN DR JAMES W	MEHNERT DR JOHN H	MUBARAK DR SCOTT J
LAWTON DR BEN R	LUNKE DR ROGER J	MEIER DR PIERCE J	MUDROVICH DR STEVEN A
LAYDE DR MICHAEL J	LUSTOK DR MISCHA J	MEIER DR THOMAS D	MUELLER DR CAROL E
LAYDE DR PETER M	LUTHER DR GERTRUDE C	MEIER MRS JOYCE A	MUNDSCHAU DR GERALD A
LAYTON DR C RODNEY JR	MACHIGASHIRA DR H T	MEISTER DR MORRIS M	MUNSON DR BRADLEY D
LEDERER DR ROBERT L	MACIOLEK DR STEVEN P	MELBY DR NEAL A	MUNSON DR WAYNE M
LEE DR JOHN J	MACK DR EBERHARD	MELLENBAMP DR DAVID D	MURLEY DR HARRIS D
LEE DR KON HWEII	MACKMAN DR DENNIS M	MELMS DR FREDERICK JR	MURPHY DR JAMES E
LEE DR SHING-SHONG	MACKMAN DR SANFORD	MENSHEHA DR OKSANA	MURPHY DR RAYMOND J
LEE DR YOUNG KYOON	MACVICAR DR ERNEST L	MERGEN DR MARK F	MURRAY DR FRANK E
LEE DR YU-EN	MAGNIN DR DEAN A	MERKOW DR ANN B	MUSOLF DR KAREN LEE
LEFEFER DR EDWARD J	MAHKORN DR SANDRA K	MERKOW DR STEVEN J	MYERS DR FRANK L
LEHNER DR ROBERT H	MAHN DR THOMAS H	MERKOW DR WILLIAM	MYERS DR RONALD V SR
LEHTMETS DR M LY	MAKI DR DENNIS G	MESSINGER DR MICHAEL A	NADEAU DR OSCAR E
LEICHT DR THOMAS R	MALEWISKI DR LARRY J	METCALF DR MARY B	NAMMACHER DR MARK A
LEISER DR JACK	MALLIN DR SANFORD R	METZDORFF DR MARK T	NASH DR DAVID S
LEIST DR FREDERICK D	MALNOR DR MARK D	MEULBROEK DR HARVEY J	NATTER DR CARL E
LEMANSKE DR ROBERT F	MAMEL DR JAY J	MEYER DR GLENN A	NAUSE DR FREDERICK P
LEMMER DR KENNETH E	MANDEL DR DARREL S	MEYER DR KEITH C	NAVRATIL DR DAVID L
LENO DR JOHN H	MANIS DR ROBERT	MEYER DR MICHAEL J	NEAL DR DAVID A
LEONG DR ALLAN H H	MANNING DR HARRY J	MEYER DR THOMAS C	NEGRON DR EDDIE A
LETTAU DR LUDWIG A	MANNIS DR AARON A	MICHAELS DR HOWARD E	NELLEN DR JAMES W
LEVENTHAL DR ELAINE A	MANSHEIM DR BERNARD J	MIDTHUN DR JOHN M	NELSON DR CHRISTINE A
LEVIN DR ALLAN B	MANSHEIM DR PAUL A	MIELER DR WILLIAM F	NELSON DR ERIC H
LEVIN DR MICHAEL H	MAPLES DR WILLIAM J	MIELKE DR DONALD J	NELSON DR FRANK F
LEVIN DR VICTOR A	MARAGOS DR NICOLAS E	MIELKE DR JOHN E	NELSON DR MARGARET V
LEVINE DR ROSS L	MARCUS DR ERIC R	MIEZIO DR STANLEY JR	NEMESLAKI DR JUDITH
LEVINSON DR STEPHEN G	MARCUS DR MELVIN L	MIKKELSON DR MICHAEL K	NEMOVITZ DR PAUL M
LEVIS DR DAVID M	MARCUS DR RICHARD E	MILLER DR ALBERT J	NESEMANN DR MICHAEL E
LIEBENOW DR ROLAND R	MARESH DR FRANK	MILLER DR CHARLES H	NEWMAN DR JULIAN J
LIEBERTHAL DR ALAN S	MARKEY DR E LAWRENCE	MILLER DR DALE E	NEWTON DR RICHARD M
LIEGEL DR STEVEN S	MARKS DR NORMAN S	MILLER DR GEORGE E	NGUYEN DR DONALD H
LIFSON DR BERNARD I	MARLOW DR GORDON V	MILLER DR KIM J	NICHOLSON DR JAMES J
LIMBERG DR PHILIP W	MARQUART DR CHRIS D	MILLER DR RICHARD J	NICKERSON DR H JAMES
LINDGREN DR TIMOTHY J	MARTENS DR JACOB H	MILLER DR ROBERT C	NICOLAUS DR WILLIAM H
LINDSAY DR KAREN L	MARTENS DR THOMAS J	MILLER DR ROBERT J	NIEDERMEIER DR WILLIAM
LINDSTROM DR CHERYL A	MARTENS DR WILLIAM E	MILLER DR STEVEN A	NIEHOFF DR ROGER D
LIPMAN DR CHARLES A	MATALLANA DR RAUL H	MILLER DR SYDNEY M	NIETERT DR WILLIAM C
LIPSHUTZ DR ASHLEY T	MATHEWS DR EDWIN L	MILLIGAN DR RICHARD J	NIKOLAI DR THOMAS F
LJUNGQUIST DR KATHLEEN	MATHISON DR DAVID A	MINER DR EDWARD B	NOACK DR NELLEEN G
LLOYD DR BALDWIN E	MATHISON DR JOHAN A	MINKOFF DR DAVID I	NOBLE DR N CARTER
LLOYD DR RICARDO V	MATZKE DR ROBERT F	MNUK DR JOSEPH F	NOLL DR KARL R
LOCHEN DR GREGORY R	MAYER DR DAVID M	MOCKERT DR THOMAS JR	NORBACK DR DIANE H
LOCHNER DR DONALD M	MAYER DR HANNO H	MOEDE DR JAMES G	NORDBY DR EUGENE J
LOCK DR THOMAS M	MCAULIFFE DR JOHN A	MOEN DR PAUL W	NORDIN DR DANIEL J
LOEFFLER DR JOHN D	MCAVOY DR TIMOTHY G	MONFORE DR THOMAS E	NORMINGTON DR RICHARD
LOHR DR JOANN M	MCBEATH DR ANDREW A	MONSON DR DONALD M	NORRIS DR ARTHUR G
LONG DR CHESTER W	MCBRIDE DR PATRICK E	MONTAGUE MR HOMER	NOVACHECK DR STEVEN J



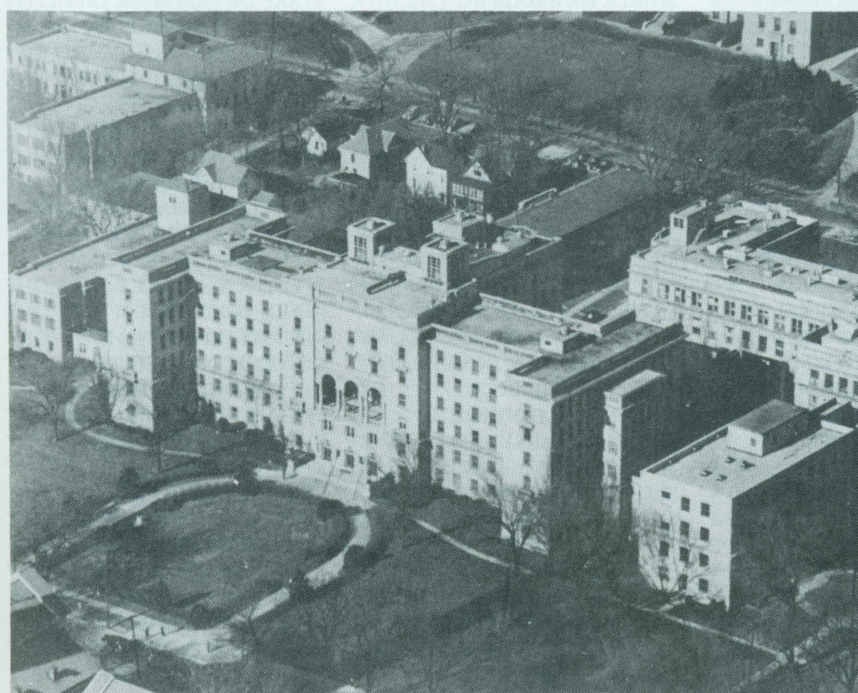
## HONOR ROLL

NOVACHECK DR TOM F  
NOWINSKI DR DONALD JR  
NOWINSKI DR DONALD M  
NUESSE DR WILLIAM E  
OBERHEU DR KENNETH H  
OBRIEN DR GEORGE S  
OBRIEN DR PATRICK D  
OCONNOR DR RICHARD C  
ODDERS DR RICHARD N  
ODULIO DR TEOFILO O  
ODWYER DR MARY D  
OECHLER DR HERBERT W  
OEHLER DR RICHARD H  
OFSTUN DR MILFORD S  
OGRODOWSKI DR JAMES L  
OH DR GIGLI  
OLAVIN DR BLAKE B  
OLBRANTZ DR KEITH R  
OLDENBURG DR GARY E  
OLSEN DR MARGARET M  
OLSEN DR THOMAS G  
OLSON DR BARRY E  
OLSON DR CARL E  
OLSON DR GARY S  
OLSON DR JOHN L  
OLSON DR LYLE L  
OLSON DR MERLIN J  
OLSON DR RONALD W  
OLYSAV DR DAVID J  
OMDAHL DR NICHOLAS S  
ONEIL DR TIMOTHY J  
ORMAN DR EDWARD S  
ORRISON DR WILLIAM W  
ORTMEIER DR D G  
OSBORN DR SANDRA L  
OSTENSO DR RICHARD S  
OSWALD DR JEFFREY S  
OTTERSON DR WARREN N

OTTO DR SAMUEL J  
OUELLETTE DR JOHN J  
OUSLEY DR JOSEPH L  
OVERGARD DR ALBON W  
OWEN DR JEAN WIVEL  
OWENS DR ARTHUR W  
OXMAN DR HERBERT A  
PACHT DR ERIC R  
PALESE DR JOHN A  
PALM DR ROBERT A  
PARKE DR ROBERT E  
PARKER DR C DALE  
PARR DR JUSTIN L  
PARRY DR RODNEY R  
PASIERB DR JUDITH L  
PATTERSON DR CHRIS J  
PAUDLER DR FRANK T  
PAULSEN DR FREDERIC L  
PAULSEN DR WILLIAM A  
PAUST DR JOAN C  
PAYNE DR VIRGINIA L  
PEABODY DR CARY S  
PEARLMAN DR MARY I  
PEDERSON DR JOHN F  
PELLEGRINO DR ERNEST A  
PELTON DR RUSSELL S  
PERLMAN DR JACK M  
PERNOT DR ROBERT D  
PETASNICK DR JERRY P  
PETERS DR MARY ELLEN  
PETERSEN DR JOHN R  
PETERSON DR LOWELL F  
PETERSON DR RODNEY K  
PETERSON DR THOMAS H  
PETERSON MRS ISABELLE  
PETRY DR ROBERT W  
PEZANOSKI DR EDWARD J  
PFAFFENBACH DR DAVID D

PFEFFERKORN DR E DOLF  
PHILLIPS DR S MICHAEL  
PICUS DR CHARLES L  
PIECHOWSKI DR SUSAN M  
PIEHL DR MICHAEL R  
PIERCE DR HARRISON M  
PIERING DR WALTER F  
PIERPONT DR DAVID B  
PIZER DR EVAN F  
PLATT DR WILLIAM D  
PLETZKE DR FRANK T  
PLOTKIN DR ALLEN S  
PLOTKIN DR MARTIN  
PLOTKIN DR ROGER P  
PODOLL DR LEE N  
POENISCH DR PAUL E  
POHLE DR EDWARD L  
POHLE DR HERBERT W  
PONATH DR RAYMOND E  
POOLE DR ROBERT R  
POST DR JOHN M  
POTTS DR JACK L  
POWERS DR THOMAS J  
PRABHAKAR DR KUSUM R  
PRASTKA DR GEORGE J  
PRATT DR LESLIE  
PRATT DR MARY V  
PROCCI DR WARREN R  
PRZYBELSKI DR ROBERT J  
PUESTOW DR ERIC C  
PULETTI DR JOYCE C  
QUANBECK DR DAVID T  
QUANDT DR VALERIUS V  
QUARTUCCIO MR NICK J  
QUISLING DR RICHARD W  
QURESHI DR MEHBOOB M  
RACZKOWSKI DR ALLEN R  
RADEWAN DR MILTON G

RADLET DR PAUL J  
RAHM DR JOHN P  
RAHR DR HENRY C  
RAICH DR PETER C  
RALEIGH DR KATHLEEN P  
RAMLO DR JOHN H  
RAMLOW DR ROBERT W  
RAMMER DR MARTIN A JR  
RANDALL DR PATRICIA A  
RANDOLPH DR ROBERT C  
RANDOLPH DR WILLIAM C  
RANKIN DR JOHN  
RAPKIN DR DAVID S  
RAPKIN DR MITCHELL A  
RAPOZA DR PETER A  
RASMUS DR STEPHEN C  
RASMUSSEN DR JOHN F  
RASMUSSEN DR N G  
RASMUSSEN MRS G A  
RATHERT DR ROGER A  
REASA DR DOUGLAS A  
REESE DR OWEN G JR  
REHBEIN DR HAROLD M  
REICHERT DR JOHN R  
REIGEL DR DONALD H  
REIMANN DR LEAH A  
REINECK DR MICHAEL C  
REINEMANN DR JOHN M  
REINKE DR FREDERICK E  
REINSCH DR PAUL J  
REISMAN DR JERALD L  
REITMAN DR PAUL H  
REMICK DR SCOT C  
REMINGTON DR PATRICK L  
RENNER DR JOHN H  
RESAR DR ROGER K  
RETTET DR RICHARD H  
RETTKE DR STEVEN





## HONOR ROLL

REZEK DR DONALD L	SALTON DR LAUREL B	SCHWARTZ DR GARY L	SMITH DR DONALD W
RHEIN DR LEROY W	SANDERS DR JOHN I	SCHWARTZ DR JOHN C	SMITH DR LINNEA J
RHODES DR KATHLEEN	SANDMIRE DR DAVID A	SCHWARTZ DR RUTH W	SMITH DR RICHARD A
RICE DR HOPE M	SANDMIRE DR HERBERT F	SCHWARTZ DR SHELDON M	SMITH DR STEPHEN C
RICE DR JAMES J JR	SANDMIRE DR KEVIN W	SCHWARTZ DR WALTER R	SMITH DR THEODORE C
RICE DR JAMES L	SANGER DR JAMES R	SCOTT DR C MALCOLM JR	SMITH DR WILLIAM A
RICE DR THOMAS J	SANTIAGO DR LOMBARDO M	SCRENOCK DR THOMAS	SMITHWICK DR E M
RICHANY DR SHAFIK F	SANTILLI DR DENNIS M	SEABURG DR MARK D	SMITS DR RONALD L
RICHARDS DR DAVID T	SANTILLI DR ROBERT J	SEGAL DR MARSHALL B	SMOLLEN DR MARGARET A
RICHARDS DR MARCIA J S	SANTINI DR FLORIAN	SEGALL DR ERROL A	SMUCKLER DR MARK B
RICHARDS DR MELVIN J	SANYER DR OSMAN N	SEIDEL DR BARRY	SMULLEN DR MICHAEL J
RICHARDS DR WILLIAM G	SARRIS DR ARTHUR L	SEIFERT DR KENNETH A	SMYTHE DR LOWELL
RICHTER DR MICHAEL A	SARTO DR GLORIA E	SELKURT DR JOANNE A	SNEED DR ROBERT J
RIEDER DR MICHAEL J	SAUCIER DR WILLIAM J	SELLINGER DR D SCOTT	SODER DR PARRY
RIEMER DR DONALD E	SAVAGE DR DANIEL D	SELZER DR ANN R	SONDEL DR PAUL M
RIESCH DR JOHN D	SAZAMA DR RICHARD C	SEMLER DR WILLIAM L	SONGSIRIDEJ DR VANEE
RIESE DR DAVID C	SCHAENZER DR GEORGE J	SENNETT DR LOUIS W	SONNELAND DR ARTHUR M
RIESELBACH DR RICHARD	SCHAUER DR JEFFREY E	SENTY DR ROBERT M	SONNTAG DR ROBERT G
RIETZ DR DANIEL R	SCHEIBEL DR WILLIAM R	SHAFFER DR JAMES S	SORENSEN DR CHARLES C
RIORDAN DR HUGH D	SCHEID DR TERRANCE M	SHAFER DR RICHARD L	SPECKHARD DR MARK E
RIZZO DR MICHAEL J	SCHERER DR JEFFERY G	SHAMBUREK DR ROLAND H	SPECTOR DR JACK A
ROBERTS DR GOMER W	SCHERER DR PAUL J	SHANNON DR JOHN P	SPERLING DR KEITH B
ROBERTS DR JEAN C	SCHIERL DR ANN GILFRY	SHAPSON DR MILTON	SPIEGLER DR FREDERICK
ROBERTS DR THOMAS N	SCHILLING DR ROBERT F	SHAW DR JOHN R	SPIELMAN DR JOHN M
ROBERTSON DR KENT A	SCHLISE DR SALLY M	SHAW DR RONALD P	SPLITTGERBER DR GERALD
ROCK DR ANN M	SCHMIDT DR CLAUDE W	SHAW DR TIMOTHY J	SPOONER DR MARYLOO
ROEHRICH DR HERBERT G	SCHMIDT DR DONALD H	SHEBESTA DR EMIL M	SPRAGUE DR WILLIAM L
ROESLER DR MARVIN J	SCHMIDT DR ERWIN R JR	SHEEHY DR GREGORY L	SPRAKER DR MARY K
ROGERS DR BEVERLY R	SCHMIDT DR MARY E	SHEEHY DR JAMES P	SPRING DR DONALD A
ROHDE DR DAVID C	SCHMIDT DR ROBERT D	SHELP DR WELDON D	SRAMEK DR STEPHEN J
ROHDE DR ELMER P	SCHMIDT DR RUBEN F	SHENEFELT DR PHILIP D	STAAHL DR GUSTAV JR
ROMANOFF DR BENNETT S	SCHMITT DR JOSEPH W	SHENKER DR I RONALD	STACK DR ROBERT M
ROOB DR DORIS M	SCHMITT DR ROBERT L	SHERMAN DR DAVID E	STADLAN DR E M
ROSANDICH DR RONALD J	SCHMITZ DR PETER W	SHERMAN DR ROGER W	STALHEIM DR ALAN J
ROSE DR RALPH J	SCHMITZ DR ROBERT C	SHERWOOD DR DONALD L	STANCHER DR JOHN A
ROSENBAUM DR J GEORGE	SCHNEEBERGER DR E M	SHEWCZYK DR THOMAS J	STANLEY DR KATHLEEN A
ROSENBERG DR LEON E	SCHNITZER DR JACK I	SHEWMAKE DR KARL E	STANLEY DR ROBERT J
ROSENBLOOM DR ARLAN L	SCHOENBECK DR PHILLIP	SHIM DR CHANG S	STANNARD DR GILBERT H
ROSENKRANZ DR WILBUR E	SCHOENECKER DR PERRY L	SHIRER DR BRUCE E	STARE DR FREDRICK J
ROSENOW DR OSCAR F	SCHOENENBERGER DR A P	SHONAT DR GEORGE C	STARER DR JACQUELYN J
ROSS DR STANLEY C	SCHOENWETTER DR C D	SHOVERS DR PHILIP	STARINCHAK DR EDWARD J
ROTH DR EARL J	SCHOENWETTER DR W F	SHRAKE DR JOHN F	STARR DR CHARLES R
ROTTER DR EARLE J	SCHOLL DR DENNIS G	SIDOFF DR MICHAEL L	STARR DR ROBERT A
ROTTER DR ROYAL	SCHORR DR WILLIAM F	SIEBENALER DR JEAN A	STEBBINS DR GEO G JR
ROUDEBUSH DR MARION E	SCHOWALTER DR JOHN E	SIEBERS DR MICHAEL J	STEEL DR MARCELLA R
ROWE DR JOHN W	SCHRAGER DR MARK A	SIEBERT DR JOHN T	STEIN DR LEONARD I
ROY DR SHIRLEY A	SCHRAUFNAGEL DR DEAN E	SIEGEL DR BENJAMIN V	STEIN DR RICHARD H
RUBIN DR EDWARD	SCHROEDER DR GERALD H	SIELAFF DR GERALD W	STEIN DR STEPHEN R
RUDAT DR KARL A	SCHROEDER DR JEANNE M	SIERRA DR LEWIS A	STEINHART DR MELVIN J
RUMACK DR BARRY H	SCHROEDER DR JOHN M	SIEVERT DR ROBERT A	STELTER MS JOYCE E
RUMACK DR CAROL M	SCHROEDER DR MARK E	SILBERMAN DR RICHARD E	STERN DR DARRYL R
RUNGE DR ROBERT M	SCHROEDER DR MARTIN J	SIMPSON DR JOHN F	STEUSSY DR CALVIN N
RUSCH DR SARA L	SCHROEDER DR NORMAN C	SINAIKO DR EDWIN S	STEVENSON DR CLYDE A
RUSSELL DR TIMOTHY P	SCHROEDER DR R W	SINGER DR ERIC C	STEWART DR DONALD C
RUSSELL DR WILLIAM T	SCHULDT DR MICHAEL	SINGH DR SURINDERJIT	STIEGHORST DR MICHAEL
RUSY DR BEN F JR	SCHULMAN DR EDWARD Y	SISSON DR LARRY A	STIEHM DR E RICHARD
RUTTER DR STEPHEN W	SCHULTZ DR ALWIN E	SIVERTSON DR SIGURD E	STIEN DR CRAIG G
RYAN DR MARY L	SCHULTZ DR ROSEMARY T	SKUPNIEWICZ DR R E	STIFF DR KAYE L
RYAN DR MICHAEL G	SCHULZ DR CARYN I	SKUTA DR GREGORY L	STODDARD DR STEVEN C
SACKETT DR JOSEPH F	SCHULZ DR DONALD W	SLOCUM DR HARVEY C	STOEHR DR BRUCE J
SAFER DR DANIEL J	SCHULZ DR NORMAN H	SLOCUMB DR CHARLES O	STONE DR MILDRED M
SAGLE DR NEIL A	SCHUMANN DR ELLEN M	SLOMOWITZ DR MARCIA	STONE DR RICHARD
SAKRISON DR CHRISTAL R	SCHUSTER DR BENJAMIN	SLOVACHEK DR DONN R	STOUFFER DR JAMES G
SALAMOUN DR SAMIR G	SCHUSTER DR DONALD S	SMITH DR BURTON K	STRANG DR DAVID J
SALOMON DR LUCY	SCHWARTZ DR DONALD R	SMITH DR DONALD A	STRAWITZ DR JOSEPH G



## HONOR ROLL

STREHLOW DR SCOTT R  
STRINDEN DR WILLIAM D  
STROBUSCH DR ALAN D  
STROHM DR JOHN M  
STROTHER DR STEPHEN V  
STUDEY DR CURTIS L  
STURM DR RODNEY J  
STUTZ DR ALAN J  
SUAREZ DR LOUIS A  
SUBITCH DR THOMAS J  
SULLIVAN DR JOHN F  
SUMMERS DR WILLIAM C  
SUMMERVILLE DR JOHN W  
SURA DR PATRICK D  
SVEC DR PHILLIP E  
SWAN DR LAWRENCE L  
SWEET DR SAMUEL J  
SWINGLE DR JOHN D  
SYBERS DR HARLEY D  
SYTY DR JOSEPH  
SZYMANSKI DR JEROME F  
SZYMANSKI DR RONALD J  
TAAKE DR ELMER R  
TALBERT DR JOSEPH G  
TALBOT DR ALLAN E  
TASKER DR MARY B  
TAYLON DR CHARLES  
TAYLOR DR CLAUDE A  
TAYLOR DR JOANNE L  
TAYLOR DR THOMAS F  
TEARSE DR DAVID S  
TELLER DR WILLIAM F  
TEMPELIS DR LAURENCE D  
TEMPERAU DR CLINTON E  
TEMPLEMAN DR DAVID C  
TENNANT DR EDWARD E  
TENPAS DR RAYMOND H  
TEPLIN DR ERVIN  
TEPLINSKY DR JOEL J  
TEPPER DR ROBERT S  
THEILER DR GEORGE J  
THEISEN DR RICHARD B  
THIERFELDER DR JEAN L  
THIESENHUSEN DR C L  
THIMKE DR HARRY E  
THOMAS DR BEVERLY E  
THOMAS DR JEFFREY C  
THOMAS DR JOHN R  
THOMAS DR THOMAS J  
THOMAS DR WILLIAM O  
THOMAS DR WILLIAM R  
THOMPSON DR BRUCE M  
THOMPSON DR HARTWELL G  
THOMPSON DR JOHN E  
THUERER DR GEORGE R  
THURMAN DR FRANCIS G  
THURWACHTER DR LORON F  
TIBBETTS DR PALMER G  
TIRK DR KIRBY S  
TODD DR ANNA R COYNE  
TOLKAN DR STEVEN R  
TOLLEFSON DR DAVID F J  
TOLSON DR LAWRENCE S  
TOMIC DR JAMES E  
TOMSKEY DR GILBERT C

TOOHEY DR JOHN S  
TOUSSAINT DR JOHN B  
TRACER DR CHARLES L  
TRINH DR DINH QUANG  
TRINH DR HONG C  
TROST DR JIM P  
TRUMP DR PAUL L  
TSANG DR WILLIAM C L  
TUCHMAN DR HERMAN  
TUFFLI DR GORDON A  
TURBEY DR WILSON J  
TURNBULL DR TIMOTHY L  
TURNEY DR SUSAN L  
TYLER DR ROBERT J  
TYNE DR LEE M  
UEHLING DR DAVID T  
UHLEY DR HERMAN  
UNDERBERG DR JOHN T  
URBAN DR JAMES GODFREY  
URBAN DR MARK A  
URBAN DR MICHAEL J  
USOW DR BARRY H  
USOW DR EUGENE J  
VAETH DR MARY F  
VALIULIS DR JOHN P  
VANDERLEEST DR ROBERT  
VANDREEL DR RICHARD A  
VANDRIEST DR JOHN J  
VANGEMERT DR JOHN V  
VANVONDEREN DR VERNON  
VANWORMER DR VALERIE H  
VAVRIN DR CHARLES R  
VEENENDAAL DR JAY M  
VEIT DR KIRK A  
VENKATESH DR A  
VERGAMINI DR JEROME C  
VEUM DR JAMES S  
VICENTE DR NINA B  
VINCENT DR ROBERT A  
VOELZ DR GEORGE L  
VOGEL DR SCOTT D  
VOSS DR MARTIN J  
VUKOVICH DR JONATHAN G  
WAGNER DR PAUL F  
WAGNER DR RICHARD F  
WAGNER DR STEPHEN F  
WAGNER DR WILLIAM A  
WAHL DR HARLEY C  
WAISMAN DR RAYMOND C  
WAKAMIYA DR RICHARD T  
WAKIL DR FRED W  
WALKER DR KAE I  
WALLRICH DR RICHARD  
WALTERS DR DONALD H  
WALTON DR JUDITH D  
WANG DR HAROLD S  
WANICH DR CHARLES K  
WANKE DR CHRISTINE A  
WANLESS DR JOHN F  
WARD DR VERNON G  
WARNER DR DAVID S  
WARNER DR WILLIS A  
WARREN DR JEFFREY L  
WARREN DR JOHN T  
WARRICK DR JAMES D

WASHBURN DR WALTER L  
WASKOW DR ELEANOR A  
WATERS DR DALE A  
WATSON DR JOHN D  
WAX DR JAMES I  
WAX DR ROBERT E  
WEAR DR JOHN B JR  
WEAVER DR ROBERT E  
WEBER DR DAVID R  
WEBER DR JAN R  
WEBER DR JEFFREY M  
WEBER DR MARSHALL L  
WEBER DR RICHARD W  
WEBSTER DR LUVERNE J  
WEBSTER DR T C  
WEDELL DR ERIC J  
WEED DR LINTON G  
WEEKS DR DOUGLAS C  
WEGMANN DR JOHN D  
WEGNER DR GENE P  
WEHBE DR ROBERT S  
WEINMAN DR MARY S  
WEINSEL DR EDWARD M  
WEINSTEIN DR I BERNARD  
WEIR DR SYLVIA M  
WEISBERG DR JAN J  
WELCH DR RUSSELL C  
WELLING DR CATHERINE C  
WELLS DR MARVIN  
WELNICK DR RICHARD O  
WENDLING DR LYLE R  
WERBEL DR HAROLD J  
WERNBERG DR CHARLES E  
WERTSCH DR PAUL A  
WEST DR ANN HOLMQUIST  
WEST DR C MICHAEL  
WESTER DR SUSAN M  
WESTMAN DR JACK C  
WESTON DR CLAYTON L  
WESTON DR EUGENE L  
WESTPHAL DR JAMES R  
WEX DR THOMAS E  
WHEATON DR ROBERT C  
WHITCOMB DR NED J  
WHITE DR EDWARD R JR  
WHITE DR LAWRENCE J  
WHITE DR STOUGHTON F  
WHITCOTTEN DR GLENN L  
WHITMORE DR JANET J  
WICHMAN DR HARVEY M  
WICHMAN DR MARK  
WICHMANN DR RODNEY D  
WICK DR KATHLEEN M  
WICKHAM DR CLAYTON W  
WICKLUND DR ROGER A  
WICKSTROM DR K TED  
WIEDENBAUER DR MARG M  
WIENKERS DR KEVIN P  
WILKIE DR HAROLD W JR  
WILKIE DR JAMES M  
WILLIAMS DR REGINALD D  
WILLIAMS DR SONJA D  
WILLIAMS DR THOMAS H  
WILLS DR MARTYN A  
WILSON DR BRUCE C

WILSON DR ERIC B  
WILSON DR MARY E  
WILSON DR ROBIN S  
WINDSOR DR RICHARD B  
WINER MRS EMILY  
WINSOR DR MICHAEL J  
WINSTON DR JEFFREY L  
WINTHER DR JON N  
WIRKA DR HERMAN W JR  
WISHAU DR JAMES P  
WISNEFSKE DR DAVID D  
WITHERSPOON DR LYNN R  
WITTKOPP DR GEORGE F  
WTVIOTT DR WILBERT  
WOCHOS DR DANIEL N  
WOCHOS DR ROBERT G  
WOLF DR FRANCIS G  
WOLF DR JOHN F  
WOLFE DR STEVEN F  
WOLFMAYER DR W W  
WONG DR HARRY C  
WOOD DR CINDY L  
WOOD DR ELIZABETH T  
WOOD DR THOMAS W  
WOODHOUSE DR CHARLES L  
WOODRUFF DR ROBERT E  
WOODS DR SHERWYN M  
WOPAT DR RICHARD C  
WYMAN DR JOHN B  
YALE DR CHARLES E  
YAMAHIRO DR HARRY S  
YEE DR KING F  
YEE DR RICHARD F  
YEE DR WILLIAM  
YIP DR FELIX CHI-MING  
YONEMASU DR YUKICHI  
YOUNG DR CAROL E  
YOUNG DR HERBERT F  
ZADINA DR SIMON P  
ZAMORA DR MARCIAL S JR  
ZANIEWSKI DR MICHELLE  
ZAREM DR NORTON L  
ZARWELL DR DAVID H  
ZAVRL DR EUGENE J  
ZERNZACK DR LANCE E  
ZIMBRIC DR GARY A  
ZIMBRIC DR SUSAN G  
ZIMMERMAN DR LISA M  
ZIMMERMAN DR ROBERT C  
ZIMMERMANN DR BURTON M  
ZIMMERMANN DR ELLEN M  
ZIMMERMANN DR TIMM A  
ZIRNESKIE DR JOSEPH D  
ZIVNUSKA DR FREDERICK  
ZODROW DR WARREN W  
ZONDLO DR JOSEPH G  
ZUPANC DR EDWARD  
ZUPANC DR MARY L  
ZWICKY DR GEORGE F JR



# Annual Fall Meeting

## Homecoming 1990

The traditional Annual Fall Meeting of Preceptors, Alumni and Faculty took place on Friday, October 26 at the Madison Club. After dinner, President Barry Usow presented Max Fox Preceptor Awards to Drs. Richard L. Hartzell and Robert T. Obma.

Dr. Hartzell of Grantsburg, Wisconsin served as a preceptor from 1971 to 1988. He influenced many young people in his area to enter medicine, including some now on the U.W. staff. He has also been a moving force in the community, especially in the construction of the local hospital and nursing home.

Dr. Obma succeeded Robert Gilbert as head preceptor in La Crosse in 1978 and served until 1987. During his tenure, the La Crosse preceptorship became highly sought after: in 1983, fully 50% of the senior class requested La Crosse, thanks in large part to his personal touch.

On Saturday morning, President-elect Betty Bamforth chaired the Representatives meeting in Medical Alumni Hall. Then alumni, medical students and faculty enjoyed the Homecoming Brunch, where Bucky Badger put in an early appearance and the Coming Attraction barbership quartet entertained.



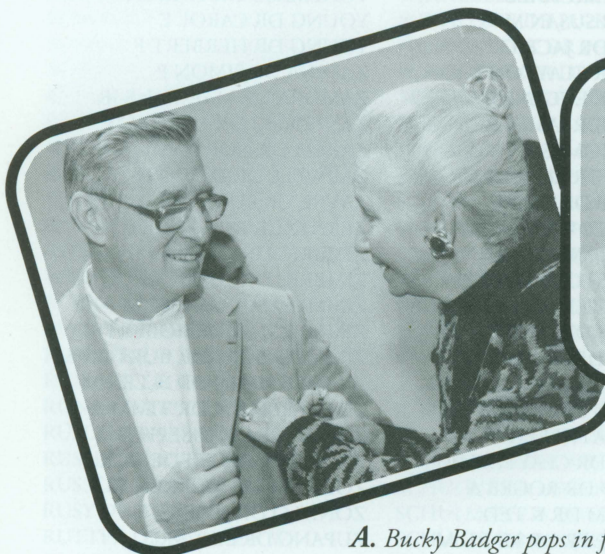
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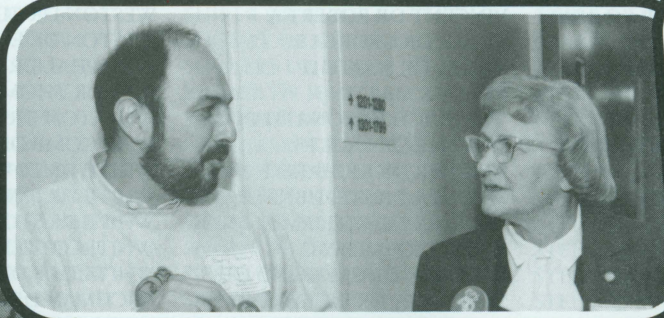
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H

A. Bucky Badger pops in for a quick visit.

B. Ted Fox chats with Wilbert Wiviott.

C. Wilbert Wiviott signs up at the registration table.

D. Richard Leibnow, Sig Sivertson Dorothy Betlach and other alumni chat in Medical Alumni Hall.

E. The Kuhns from Oshkosh get ready for brunch.

F. The Oberheus from Dayton, Ohio.

G. President Barry Usow and Dorothy Betlach.

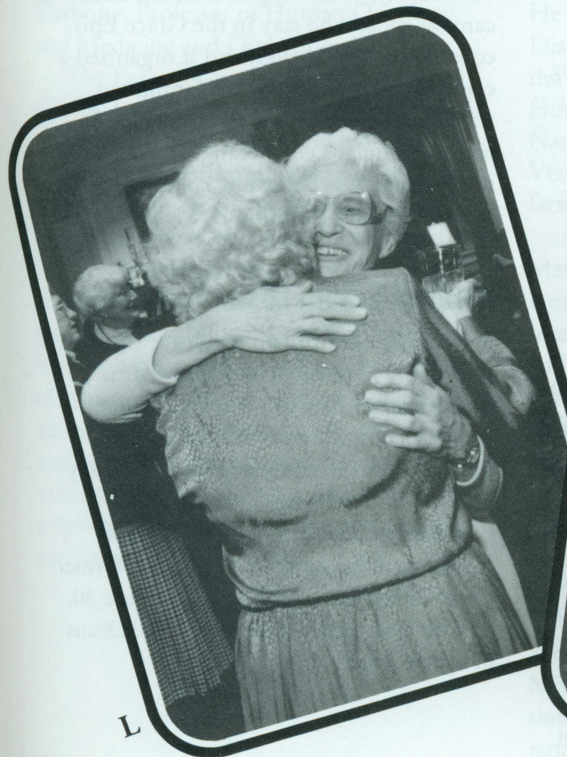
H. Ellen Lewis I. Max Fox Preceptor Awardees Robert T. Obma and Richard L. Hartzell.

J. Dean Brown appreciates a good joke.

K. Victor Falk, Mrs. Falk and Betty Bamforth

L. Good to see you! M. Dean Lobeck enjoys a before-dinner conversation.







## Conference Explores Health Care Rationing

The Health Management Alumni Association and UW Programs in Health Management sponsored a conference concerning the ethics of rationing health care, how decisions about rationing should be made, and the implications for health care managers and providers.

A speech by former 12-year Colorado Governor Richard Lamm highlighted the conference. Lamm said that every American should have access to health care; therefore the political system will have to decide how limited health care dollars should be spent. The current system is unsustainable, he maintained, and promises to break the bank without curbs. He questioned whether we should, for example, remove frail elderly with congestive heart failure from nursing homes to emergency facilities; give artificial hips to people with dementia; treat 85-year-olds with metastatic cancer with chemotherapy; or spend large amounts of money and energy trying to save very low-birth-weight infants when we don't provide adequate pre-natal care for many of the mothers.

Lamm, a UW graduate and native Madisonian who currently directs the Center for Public Policy and Contemporary Issues at the University of Denver, also feels that the money spent on costly AIDS drugs should be diverted to AIDS research.

## Koop Advises Medical Students to Get Mad, Demand Changes



C. Everett Koop

In September former Surgeon General C. Everett Koop spoke to an invited group of students from the Medical School and other health-related programs as part of the 20<sup>th</sup> anniversary celebration of the Department of Family Medicine and Practice. He related his frustration with and pessimism about the

U.S. health care system, advising the students to "get mad once in a while. It's all right!" Frustration, he said, frequently leads to action and then to progress.

He opposed any government intervention resembling socialized medicine to help people who cannot provide for their own care. He advocated, rather, that businesses, which spend billions every year on health care for employees, take the lead in "demanding greater efficiency, lower cost and higher quality care."

Koop also urged that medical education continue to change in the direction of emphasizing an ethic of prevention. Some HMOs, he added, are "so concerned about the bottom line that they postpone or ignore anything that looks like it won't be a calamity tomorrow."

## Hospital School Celebrates 60 Years of Teaching

On November 15, several hundred guests gathered to celebrate the 60<sup>th</sup> anniversary of the UW Children's Hospital School, where pediatric patients keep up with their school work, meet other children and experience some normalcy and continuity within an otherwise strange and sometimes frightening environment. The school was established in 1930 in the old Wisconsin Orthopedic Hospital for Children. In those early days, some children with polio and other chronic diseases were hospitalized for long periods; some even earned their high school degrees from the school.

The staff of three teachers, employed by the Madison Metropolitan School District and reimbursed by the Wisconsin Department of Public Instruction, works with guidance counselors and classroom teachers to help keep the students reasonably up to date.

The school, which occupies a room provided by the Children's Hospital, runs a regular school year plus a five-week summer session. Although students' attendance is sometimes erratic because of their medical condition or therapy, most progress very well, thanks to their close interaction with teachers.

## Medical Students Sign, Send Anti-War Petition

Seventy nine first year and 52 second year medical students signed a petition that stated: "We, medical students at the University of Wisconsin-Madison, oppose the use of force in the current crisis in Iraq." The petition, sponsored by the Madison branch of the American Medical Student Association (AMSA), was sent to Wisconsin senators, the 2<sup>nd</sup> District Congressman and President Bush.

An AMSA spokesperson who presented the petition at a news conference likened such protests to preventive medicine, as it would be far easier and more sensible to prevent the loss of lives and injury from a war than to deal with the resulting death and destruction. He also noted that the resources consumed in conducting a war could be more constructively used to improve health care both in the U.S. and around the world.

The Madison branch of AMSA promotes educational opportunities for medical students and services for the Madison community. It has helped establish health care for those who stay in the Grace Episcopal Homeless Shelter, and it organized a campaign to inform eligible families of state-funded pediatric checkups. Med I medical scholar Lee Dresang, who initiated the petition, was helped by colleagues including Lonnie Simmons, Med II.

## Medical School Loses Two Deans

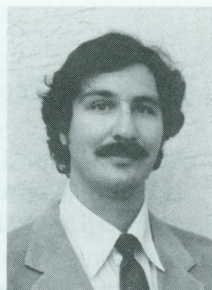
Dean Arnold Brown will leave the deanship of the Medical School and return to the faculty on June 30. A search committee, headed by Chair of Oncology Henry Pitot, is now sifting through a great many possibilities for Brown's replacement.

Charles Lobeck, Associate Dean of Academic Affairs and Professor and former Chair of Pediatrics, will retire on June 30.

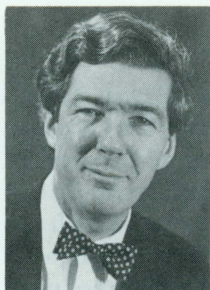
The *Quarterly* will highlight the Deans in future issues.



## FACULTY NEWS



*Paul J. Bertics*



*Eberhard A. Mack*



*Stephen Nellis*



*Marvin Birnbaum*



*Paul Carbone*

**Paul J. Bertics**, Assistant Professor of Physiological Chemistry, has been named a Lilly Biochemistry Grantee by the Lilly Research Laboratories. This unsolicited grant provides a young academic researcher with \$10,000 in unrestricted funds. Bertics studies the function of epidermal growth factor receptors.

**Douglass C. Tormey**, Professor of Human Oncology and Medicine and Associate Director of the UW Clinical Cancer Center, has been elected to a three-year term as Chairman of the Eastern Cooperative Oncology Group, succeeding **Paul P. Carbone**, Professor of Human Oncology and Medicine and Director of the CCC.

The Eastern Cooperative Oncology Group, headquartered in Madison, is one of the nation's large multidisciplinary groups coordinating clinical trials of promising cancer therapies. It includes about 25 university research centers and 200 community hospitals, which are concentrated in the Northeast but extend into the Southeast, Midwest and California. The Group's 2,000 or so physicians consist of medical oncologists, surgeons, radiotherapists and pathologists complemented by approximately 600 oncology nurses, data managers and statisticians. The Group originated in 1955 as a five-member consortium on the east coast.

Professor of Surgery **Eberhard A. Mack** was invited to discuss gallstone dissolution at a Consensus Panel for the Treatment of Gallstones at the recent International Biliary Association Meeting in Hong Kong, where he was Chairman of the Scientific Session on Gallstone Treatment. He also was invited to speak about "Management of the Patient with Adrenal Cortical Carcinoma" at the Postgraduate Course on Endocrine Surgery at the American College of Surgeons meeting.

Professor of Medicine **Stewart A. Metz** has recently joined the Medical School faculty. He will serve as Director of the Center for Diabetes Care and Research and head of the endocrinology section at the UW Hospital. His research, funded by the National Institutes of Health and the Veterans Administration, has focused on factors that regulate the secretion of insulin.

A graduate of the Yale Medical School, Metz has been affiliated with the University of Washington-Seattle. Most recently he served as Professor of Medicine and Pharmacology at the University of Colorado. His appointment was made possible in part through a gift from the Rennebohm Foundation.

Four faculty members participated in the Scientific Conference on Experimental and Clinical Coronary Pathophysiology sponsored by the American Heart Association and held in Durango, CA. Professor of Medicine **A. James Liedtke** co-chaired a session on myocardial metabolism in stunned reperfused heart muscle and presented an overview of substrate utilizations in ischemia

and reperfusion. Professor of Medicine **Stephen Nellis** chaired and presented studies to a session on coronary microcirculation. Professor of Medicine **John Folts** spoke on thrombosis and thrombolysis, and Associate Professor of Medicine **William P. Miller** discussed the nonlinearity of regional end-systolic pressure dimension relations.

**Marvin Birnbaum**, Associate Professor of Medicine and Physiology and Director of the Emergency Medical Services Program, was invited by the Soviet Union's ministry of health to co-chair a session during an international conference on disaster medicine in Moscow attended by more than 2,000 Soviet physicians and faculty members from 30 countries. He spoke about international cooperation in natural disasters.

Assistant Professor of Medicine **Peter Rahko** spent three weeks in China lecturing and traveling. As visiting professor in the cardiology department of First Affiliated Hospital of Zhejiang Medical University in Hangzhou, he presented three lectures on echocardiography.

**Paul Carbone**, Professor of Human Oncology and Director of the Clinical Cancer Center, presented the Gottlieb Lecture to the department of hematology at M.D. Anderson Cancer Center in Houston. He discussed cancer prevention and translating laboratory models to the clinic.





*James Liedtke*



*Benjamin R. Brooks*



*Charles Lobeck*

Professor of Medicine **A. James Liedtke** has been selected for a four-year position in the cardiovascular and renal study section of the division of research grants at the National Institutes of Health, where he will review grant applications and make recommendations for approval and funding. He also was elected to a three-year term as Wisconsin governor of the American College of Cardiology; he will evaluate all state and regional candidates for membership in the College and will serve as president of the newly formed chapter of the College in Wisconsin.

Liedtke also was selected for a three-year term as Wisconsin council representative to the Council on Clinical Cardiology for the American Heart Association.

Associate Professor of Medicine **Jeffrey Grossman** has been appointed Director of Adult Critical Care Services, where he is responsible for coordinating use of the intensive care unit, supervising the quality assurance program for adult ICUs and coordinating critical care teaching programs.

**William Scheibel**, Associate Professor (Chs) of Family Medicine and Practice, has been named 1990 Family Practice Educator of the Year by the Wisconsin Academy of Family Physicians for outstanding teaching of medical students and family medicine residents.

**Benjamin R. Brooks**, Professor of Neurology and Medical Microbiology, has been selected by the National Academy of Sciences Institute of Medicine to serve on its neurology specialty panel, where he is helping develop methodology for estimating the number of physicians required in Department of Veterans Affairs programs and facilities.

**Bruce Harms**, Assistant Professor of Surgery (Chs), has been elected a member of the Society of University Surgeons, an organization honoring outstanding young academic surgeons for their contributions to medical research and education.

Professor of Pediatrics and Associate Dean **Charles C. Lobeck** was named the first recipient of the Bennett J. Cohen Award presented by the American Association for Accreditation of Laboratory Animal Care (AAALAC). His association with AAALAC began in 1978 when he was appointed as the Association of American Medical Colleges representative to the Board of Trustees. He was elected to the Executive Committee as Vice Chairman from 1982 to 1984 and as Chairman of the Board from 1985 to 1989. Under Lobeck's leadership, AAALAC became a more visible group and increased its active involvement with scientific, educational, government and animal welfare organizations.

**Ronald H. Laessig**, Professor of Pathology and Preventive Medicine and Director of the State Laboratory of Hygiene, received the American Association for Clinical Chemistry 1990 Award for outstanding contributions through service to the profession of clinical chemistry.

## NECROLOGY

Paul J. Ambro, '51  
Kenosha, Wisconsin  
October 13, 1990

Earl F. Cummings, '30  
Oshkosh, Wisconsin  
October 23, 1990

Thomas Frey  
(Former Resident Ophthalmology)  
Falls Church, Virginia

Dayton H. Hinke, '44 (2 year)  
Marshfield, Wisconsin  
October 1990

Thomas S. Josephson, '66  
Madison, Wisconsin  
October 7, 1990

Robert Krohn, '27 (2 year)  
Black River Falls, Wisconsin  
September 22, 1990

Gerald E. LeMieux, '54  
Green Bay, Wisconsin  
September 15, 1990

Leonard Long  
(Former Resident Radiology)  
Cashiers, North Carolina  
December, 1988

Gerald A. Mundschau, '65  
West Allis, Wisconsin  
August 29, 1990

Arthur L. Scherbel, '44  
Scottsdale, Arizona  
October 24, 1990

Maurice L. Whalen  
(Former Preceptor)  
Bruce, Wisconsin



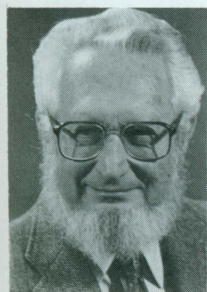
## ALUMNI CAPSULES

**40** James W. Beattie, retired from general surgery as of November 30, 1989, is propagating exotic tropical plants following encounters with standard breed horse racing and breeding and showing bull mastiff dogs. Just after retirement, Jim and Mary spent much of their time repairing their home on the island of Vieques, Puerto Rico, where Hurricane Hugo had his way.

Henry D. Lauson has fully retired from science and medicine, which kept him more than occupied as Professor and Chairman of the Department of Physiology and Biophysics at the Albert Einstein College of Medicine of Yeshiva University, New York City, where he served from 1955-1978. He now enjoys the good life in Kiel, Wisconsin, near Milwaukee.

Richard E. Marcus continues teaching as emeritus clinical professor of otolaryngology at the University of Illinois College of Medicine. His interest in historical research and writing has resulted in his presenting papers such as "In the Footsteps of William the Conqueror," "Who Was Hippocrates and Where Is He Now," and "The Art Institute of Chicago and The American Flag."

David J. Twohig, who spent three years with Colonel Middleton in Europe during World War II, was engaged in general practice and surgery before retiring. He has been blessed with 11 children and 26 grandchildren, an accomplishment he claims is hard to explain! David and Elizabeth live in Fond du Lac, Wisconsin.



Arvin B. Weinstein

**44** Arvin B. Weinstein, long-time faculty member who established the UW kidney dialysis program, continues to fulfill his retirement dream of delving into archeology and

anthropology. Recently he attended the Lubbock Lake (Texas) Landmark's International Symposium as a guest of medical school classmate John Buesseler '44, the first dean of the (Texas) Health Sciences Center's School of Medicine. Arvin has worked at several sites, including a 20,000-year-old rock shelter in South Africa and a 13th-century agricultural village of the Pueblo Indians in Arizona as well as sites in Wisconsin.

**45** D. C. Crow, retired from her psychiatry practice, is helping children to read at a primary school where she lives in Bristol, England. Although she has had some health problems in the past two years, she would very much welcome a visit from any class member and family. Husband Henry James Crow died in 1988.



John E. Steinhaus

International Symposium on Anesthesia History, which is scheduled to be held in Atlanta March 27-31, 1992. John served as President of the American Society of Anesthesiologists in the late '60s

John E. Steinhaus, retired from the Emory University School of Medicine, Atlanta, where he was Chairman of Anesthesiology, currently chairs the organizing committee of the Third

**51** John Allen and wife Shirley, who live in Madison, Wisconsin, recently celebrated their 40th wedding anniversary. Their most cherished gift was their first grandchild, a lively young man who spends part time with them while the parents work. John spends about 70% of his time in medical departments of industry around the state.

Carol Bahcall of Brookdale, California, recently returned from a house-sitting stint in Hawaii, relieved to leave the ultra-affluent lifestyle of Hawaii for the peace and serenity of her mountain cabin. She was also uncomfortable about the islands' ongoing destruction of another culture. Paul Bower has been busy at home in California as well as abroad. He and Thea spent three weeks with nieces in Paris, visited the Normandy coast and the Alps, Oahu, Hong Kong, Singapore, Rangoon, Bombay — and more! Their U.S. travels included Nantuckett, Boston, Aspen and Oregon. At home, in between bone/joint surgeries, he ran into problems while having a walk-in closet built for Thea and warns of the mess a heavy rain can make when the roof is off.

John Brown from Rhinelander, Wisconsin, retired in early '90. He and wife Dori, semi-retired from nursing, have been hitting the national parks as well as Arizona, Virginia and Delaware, where their younger son recently married a fellow chemist. John has become an accomplished photographer, accepted in art shows and published in magazines.

Jerome Cornfield still maintains a busy family practice in Milwaukee with his brother, gallantly wrestling with the HMOs and other insurance companies. Son Joel is a urologist and son David is a pulmonary fellow in Denver, having completed a pediatrics residency. Daughter Cynthia has her masters in Architecture, and Marcie Beth is in 8<sup>th</sup> grade.

Joyce Eisenbraun is still practicing radiology in Oklahoma City but plans to retire this year and take some of the courses she couldn't fit into her premed schedule way back when. Husband Peter retired from teaching at Oklahoma State University but continues his research. Joyce has three M.D. daughters and two grandchildren so far.



## ALUMNI CAPSULES

Lawrence Giles and wife Audrey visited Russia nearly two years ago. The Soviet family they got to know foretold everything that has happened in East-West relations. They also met a Lithuanian family from Vilnius, whose medical school is exchanging students with the the UW Medical School. Lawrence belongs to a group of writers who read poetry and essays in Madison-area bistros.

Audrey Huckaby, living in Cedarburg, Wisconsin, completed a round-the-world fantastic voyage with husband Karl. During 50 days at sea and 50 in ports, they covered more than 29,000 miles with 500 college kids from all over the U.S. and about 20 faculty members, and were able to audit intriguing courses such as Islamic art, comparative revolutions and Asian religions. Their four children, scattered about the country, provide excuses for shorter jaunts.

Harold Ibach and wife Martha continue to spend winters in Austin, Texas, and summers in Oconomowoc, Wisconsin, where they are volunteers in the Department of Natural Resources self-help program monitoring the health of Oconomowoc Lake. Family and other activities keep Harold so busy that he can't figure out how he had time to practice medicine for 35 years.



*Alice McPherson*

Alice McPherson, Houston, last year combined business with pleasure as she had a private audience with the Pope and another accompanied by 18 other retina specialists, a trip to Hong Kong to plan a 1993 meeting, and on to Singapore for an international congress. Alice presented an award in Helsinki and then toured Germany and Hungary, attending another meeting in Switzerland. She later lectured in Istanbul. Husband Tony still manages a mean game of golf.

Lyle Olson spent three months in New Zealand after retiring in early '90. Last we heard, we was planning a 5-week trek in Nepal and hoping to navigate a 16,700 foot pass, where he will use the altimeter presented to him by his colleagues. Lyle and wife Ruth still sing with the UW Choral Union, enjoy 4 children and 6 grandchildren, and continue to live in Darlington, Wisconsin.

Sam Perlson, the tenacious shepherd of the Class of '51, has been dining on a meal of delicious courses — economics, political science, history and, particularly appetizing, anthropology. Dessert includes bridge lessons (his wife is a Life Master), gardening and riding his stationary bike 14 miles a day. Teaching OB-GYN to UW medical students rotating through Mt. Sinai Milwaukee serves as an interesting side dish.

Dean Plazak's practice in Boulder, Colorado, is now heavily forensic. Many of his cases are extraordinarily fascinating, and some look like whole chapters of a book waiting to be written. Meanwhile, he and wife Carole, who still manages his office, are exploring Colorado with a recently acquired jeep. Their 8-year-old granddaughter successfully underwent open heart surgery for an old IVP.

Kathleen Motelet Raleigh plans to be retired by now and free of the stresses that resulted from the passage of California's Proposition 13, which reduced taxes but also slashed services. Her Mental Health program for the low income and indigent population is among those suffering from funding cuts. Meanwhile, she continues to ride 14 miles a day on her stationery bike.

Burton Smith keeps busy in his five-person family practice in Wausau, Wisconsin and plans to continue as long as he's able; son Brian is part of the group. One daughter is a pharmacist, another an AODA counselor. Burt tends a large garden and a greenhouse, and keeps his body in good order playing handball — shades of Dr. Middleton — and golf.

Lowell Smythe is still feeling the effects of Hurricane Hugo, whose eye passed right over Charleston, his home. He has been active in sea turtle conservation with the aid of his boat, large enough to ferry an all-terrain vehicle to two islands where he monitors nestlings. His wife, a writer, has included Russia in her recent travels.

Harry Thimke and wife Marge split their time between Eau Claire and Hayward, Wisconsin. Harry continues his retirement pattern of taking one class each semester at UW-Eau Claire. He also carves ducks and is an officer in Trout Unlimited. He visited his daughter in Senegal; another daughter lives in Australia and the other two reside in the Minneapolis-St. Paul area.

John Toussaint is on the brink of retiring after 32 years as Medical Director of the Central Wisconsin Center. Colonel T. still commands the Air National Guard Medical Unit at Truax Field, Madison. He and wife Carol returned this August from their second Earthwatch expedition, where they helped excavate a Roman fort near Hadrian's wall in northwest England. Write to him for Earthwatch information.

Clayton Weston from New Lisbon, Wisconsin, continues to enjoy retirement, traveling via motor home January through May with wife Evy. He has bicycled more than 48,000 miles since retirement and, as of this writing, was getting in shape for the granddaddy of Wisconsin bicycle races, a 50-mile endurance contest that he won the past 2 years for the 65-70 age group.



## ALUMNI CAPSULES



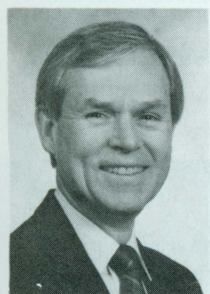
*Loren H. Amundson*

**56** Loren H. Amundson, Professor of Family Medicine at the University of South Dakota School of Medicine, has been named the national family physician educator of the year by the American Academy of Family Physicians; he received the award at the Academy's 42nd annual convention in Dallas. He has taught medical students since 1960, practicing family physicians since 1971, and family practice residents since 1974. Loren also serves as Director of the South Dakota Office of Rural Health.



*Leon E. Rosenberg*

**57** Leon E. Rosenberg, Dean of the Yale University School of Medicine since 1984, has been elected Chair-elect of the National Council of Deans, part of the governing structure of the Association of American Medical Colleges. A member of the National Academy of Sciences, Leon investigates inherited metabolic disorders in children. He helped establish Yale's Department of Human Genetics and became its first chairman.



*Roger W. Sherman*

**64** Roger W. Sherman died when the plane he was piloting crashed in a heavy fog. A psychiatrist in private practice in Mentor and Painesville, Ohio he also headed the medical staff at Laurelwood

Hospital in Willoughby, a mental health and chemical dependency treatment center. After serving his residency at Johns Hopkins, he became a staff psychiatrist at the Cleveland Clinic. Roger is survived by children Lori, Bill, June and Megan. His widow Alice can be reached at 9074 Jackson, Mentor, OH 44060.

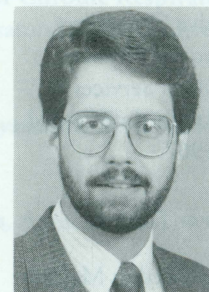
**71** Robert J. Jaeger of Stevens Point, WI, has been elected vice chairman of the Wisconsin Section of The American College of Obstetricians and Gynecologists for a three-year term. Assistant Clinical Professor of OB/GYN at the Medical College of Wisconsin, he is past president of St. Michaels (Stevens Point) Hospital medical staff and Chairman of the Maternal and Child Welfare Committee of the State Medical Society of Wisconsin.

**80** Rose M. Dotson, who specializes in treatment of neuromuscular disease and co-directs the Muscular Dystrophy Association Clinic at Froedtert Memorial Lutheran Hospital and Children's Hospital of Wisconsin, has been appointed Assistant Professor of Neurology and Director of the Neuromuscular Program at the Medical College of Wisconsin. Rose has been awarded a Biomedical Research Support Grant and a Clinical Investigator Development Award from the NIH for her work on pain related to nerve damage, injury or dysfunction.

**82** Lawrence C. Nichols, Assistant Professor of Pathology and Medicine at LAC and USC Medical Center, Los Angeles, has been elected a Fellow of the College of American Pathologists. Larry completed residencies in pathology and in internal medicine at the New England Deaconess Hospital in Boston.

**85** Beth Ellen Abramson, who specializes in psychopharmacology at Milwaukee County Mental Health Complex, has been appointed Assistant Professor of Psychiatry and Mental Health

Sciences at the Medical College of Wisconsin. She completed her training at Long Island Jewish Medical Center, where she also served a year as inpatient staff psychiatrist. She was an emergency room psychiatrist at St. John's Episcopal Hospital in Far Rockaway, N.Y. as well.



*Peter Emanuel*

Peter Emanuel, a hematology-oncology fellow at the University of Alabama at Birmingham Comprehensive Cancer Center, is one of 11 U.S. physicians who have been given a \$25,000 1990 Young Investigator Award from the American Society of Clinical Oncology. He will continue his studies to define the basic mechanisms underlying juvenile chronic myelogenous leukemia. Last year he received the Upjohn Research Award as the outstanding fellow investigator in hematology-oncology and the Frommeyer Fellowship Award.

Ron Myers, founder of the Tchula, Mississippi Family Health Center, received the National Black Aging Network's George W. Davis Award for his work with Black senior citizens. While in San Francisco to accept the award, he also received several others, including a Certificate of Special Recognition from the U.S. Congress and a Certificate of Appreciation from San Francisco Mayor Art Agnos. In Madison, Ron was honored by the Medical School and Mt. Zion Baptist Church for his medical missionary work.

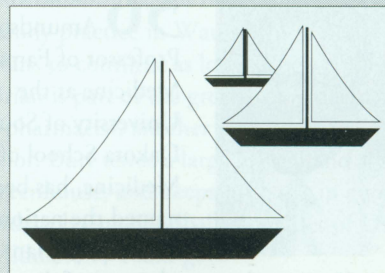


Martin Grabois, who chaired Physical Medicine at Baylor College of Medicine (Houston), now chairs the new combined Department of Physical Medicine and Rehabilitation. An ex-officio member of the Board of Trustees of the Institute for Rehabilitation and Research, he also serves on the Institute's Executive Committee and he is Medical Director of Physical Medicine and Rehabilitation Services at The Methodist Hospital. Martin interned at UW Hospital 1966–1967.

Nels Alfred Hill, who practiced in Madison for 40 years, died December 15 in St. Petersburg, Florida. He had been Chief of Staff of Madison General Hospital, a delegate to the AMA, President of the Dane County and Wisconsin State Medical Societies, Medical Director for Wisconsin Life Insurance Company, local surgeon for

the Illinois Central Railroad, and physician to the C.C.C. He was a Medical School instructor and also taught in the Nursing Schools at both St. Mary's and Madison General Hospitals. He earned an M.S. from UW-Madison and his M.D. from Harvard.

Maurice L. Whalen died this fall at Rusk County (WI) Memorial Nursing Home. He practiced in Bruce, Wisconsin, for 42 years, retiring in 1974. He also served as Chief Surgeon at St. Mary's Hospital in Ladysmith. For 19 years he was a preceptor for more than 100 medical students, and in 1974 he received the Max Fox Preceptor Award from the WMAA. In 1978 he received the Distinguished Service Award from Mt. Senario College in Ladysmith. He earned his M.D. at the University of Minnesota.



Cruise Japan's inland sea,  
March 19-30.

Fly the Concorde to Europe and see the art treasures of London and Paris, April 26-May 26.

Visit Holland, Paris, Geneva and  
other cities via ship and train,  
May 26-June 8.

See Alaska by ship and train  
beginning June 27.

Cruise France's rivers Seine and  
Saone,  
July 3-15.

Cruise the Seas of Ulysses and Black Sea from Athens to Venice,  
July 7-19.

Cruise the passage of Peter the Great  
from Leningrad to Moscow,  
August 1-14.

Cruise the Hudson Bay area with Farley Mowat and other experts, August 4-13.

Cruise the great capitals of Europe,  
London to Venice,  
September 9-22.

Cruise Greek islands  
November 2-17.

For more information, call Sheri Hicks at (608) 262-9521.

Here's the answer. Congratulations to Thomas Peterson, Robert Judd, R. K. Resar, George Becker, Barbara Hansen, Christine Buijs, Glenn Fromme, E. H.. Betlach, Debe Hansmann, Mary McGrath, Leah Danner

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## COMING EVENTS

March 8, 1991

Wisconsin Reception at the  
American Academy of Orthopaedic  
Surgeons Meeting  
Anaheim, California  
6:30 – 8:00 p.m.  
Park A Room  
Inn at the Park Hotel

March 17, 1991

LaCrosse Area Medical Alumni  
Meeting  
Social Hour 11 a.m., Lunch at noon  
Radisson Hotel

April 12, 1991

Wisconsin Reception at  
American College of Physicians  
Meeting  
New Orleans, Louisiana  
6:00 – 8:00 p.m.  
Location to be announced

May 6, 1991

Wisconsin Reception at  
American College of Obstetricians  
and Gynecologists Meeting  
New Orleans, Louisiana  
5:00 – 7:00 p.m.  
New Orleans Hilton Trafalgar Room

May 17, 1991

Alumni Day  
Madison, Wisconsin  
Class Reunions - 1941, 1946, 1951,  
1956, 1961, 1966, 1971, 1976,  
1981, 1986

## CONTINUING MEDICAL EDUCATION

**Neurology Conference for Primary Care Physicians**, March 1, Holiday  
Inn East Towne, Madison

**6<sup>th</sup> Annual Comprehensive Management of Chronic Respiratory  
Problems Conference**, March 7-8, The Sheraton Inn & Conference Center,  
Madison

**Pediatric Conference for Primary Care Physicians**, April 5, Holiday Inn  
East Towne, Madison

**Interpretation of Clinical Laboratory Tests**, April 19, InnTowner Hotel,  
Madison

**Psychiatry Conference**, April 19-20, Holiday Inn East Towne, Madison

**Cardiac Rehabilitation Symposium**, April 25-26, Grand Milwaukee Hotel,  
Milwaukee

**Doug Miller Symposium on Organ Procurement**, April 25-26, Chula  
Vista Resort, Wisconsin Dells

**National Conference on Professional Training and Managed Mental  
Health and Substance Abuse Services**, May 1-2, Grand Milwaukee Hotel,  
Milwaukee

**Infectious Diseases Conference for Primary Care Physicians**, May 3,  
Howard Johnson Hotel East Towne, Madison

**15<sup>th</sup> Annual Ophthalmology Current Concepts Seminar**, May 9-11,  
Holiday Inn West, Madison

**Sports Medicine Symposium**, May 9-11, Holiday Inn West, Madison

All conferences qualify for AMA Category I credit. For more information,  
please contact Cathy Means, Continuing Medical Education, 2715 Marshall  
Court, Madison, Wisconsin 53705 or phone (608) 263-6637.



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