

Neufeld Society

NEWSLETTER

Volume 7, Number 3

December, 1994



Philip H. Reiswig '61

Alonzo J. Neufeld '35, after whom the Society is named, had many appropriate aphorisms. One that comes to my mind during these difficult times is that "medicine is the finest of professions, but the sorriest of trades." Dr. Neufeld's observation was that the physician who regards his profession as only a job often is not the best physician and is usually dissatisfied. Dr. Neufeld, on the other hand, loved practicing orthopaedics. He never really retired, but maintained a keen and active interest in his field until the time of his death at 80 years of age. The question is How did he enjoy life and continue to be active in his profession for so many years?

I have been in the practice of medicine long enough to have had the privilege of observing many fine physicians who loved what they did and were able to maintain their enthusiasm for the profession for many years. I would like

Finest of professions —sorriest of trades

by Philip H. Reiswig '61, President

to share my observations with you.

The first group of physicians I have observed are those who enjoy interpersonal relationships. They enjoy dealing with people and helping them with their problems. Their profession gives them an opportunity to meet, help, and serve a variety of individuals. These physicians are often active in their church, in their local community service organizations, and even in such groups as project HOPE or LIGA, which provide medical care to underprivileged areas of the world.

The second group of physicians who have gained a great deal of satisfaction from their profession are those exhibiting creativity in some form or other. Such creativity is often expressed in discovering the unknown, as in research. These physicians greet every day as another opportunity to discover something new and interesting.

A third group enjoy the challenge of developing new and better techniques or methods which can be used in the treatment of their patients. They are the "tinkerers" of the world. To these physicians discovery is a lifelong pursuit.

The fourth category are those physicians who just love what they are doing. They love to learn. They passionately keep up with the latest findings and developments. The ongoing evolution of medicine is what excites them. Their ability to apply the knowledge they have gained and the techniques they have

learned in the treatment of their patients is very satisfying. These physicians are lifetime learners.

The fifth category includes physicians who enhance their professional satisfaction by becoming involved in some type of teaching. In my era they were the voluntary attendings who played such a vital role in the education of physicians. They were willing to take time off from their busy practices to share their knowledge and expertise with the students and residents. Other physicians were interested in educating the lay public. They became adept at health education. Many of these physicians were wonderful ambassadors for medicine all around the world as well as in their local communities.

While physicians may enjoy their profession in different ways, there is one essential common denominator that is fundamental to their sense of satisfaction. This is the ability to influence the decision-making process which determines the conditions under which we work. It has been shown in industry that when workers are given some control over their working environment, productivity and job satisfaction go up simultaneously.

We all know that we have entered a new era—an era of change. Events are happening so rapidly that they are disturbing and unsettling. All of our rela-

Continued on page 3

The Howard and Irene Peterson Tribology Laboratory

by Ian C. Clarke, PhD, Director

Between January and March the Howard Peterson family kindly donated \$310,000 towards the purchase and operation of hip simulator and knee simulator machines on the LLUMC campus. The Howard and Irene Peterson tribology laboratory (HIPTL) space was completed by the end of July 1994. The 19 channel hip simulator (vendor: Shore Western Manufacturing Inc., Monrovia, CA) was then installed and has been put through its paces since then as part of its calibration regime. This is necessarily quite an extensive undertaking for these sophisticated studies of wear performance in total joint replacements.

Why are such Wear studies necessary?

Orthopaedic surgeons have become increasingly aware in the last five years that the number one cause of failure of the joint replacements is the body's reaction to wear debris. These micron-sized particles (40 millionths of one inch, i.e., the size of a red blood cell or even smaller) basically provoke a foreign-body reaction which can actually begin to destroy the bone in which the implants are anchored. However, there has been no consistency in how various laboratories have evaluated the friction and wear characteristics of various implant design and material choices. **G. Allen Gustafson '70** and I have given four papers this year highlighting this controversial area and the need for more scientific data. Dr. Gustafson, at a Florida meeting, recently asked why it is that current designs of hip implants cost twice as much and last only half as long as those he used in the past? Such questions provide the stimulus of HIPTL scientists at LLUMC.



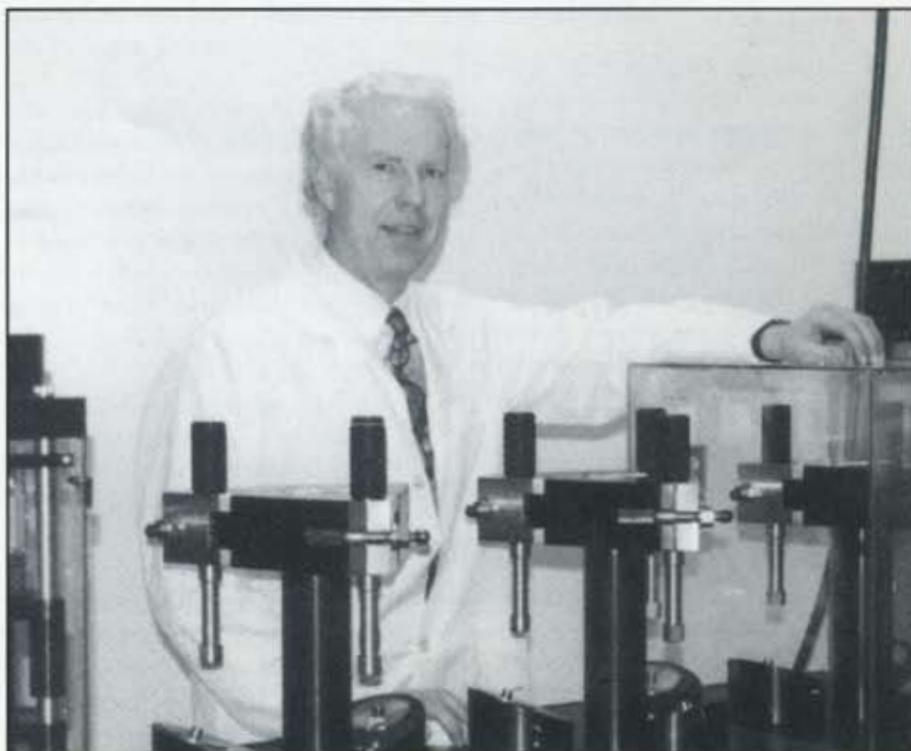
Ian C. Clarke, PhD

The Howard and Irene Peterson Tribology Laboratory

Tribology is the scientific study of friction and wear. This necessitates close

collaboration between a team of engineers, biologists, statisticians, and orthopaedic specialists.

The hip simulator is currently in place and working. It is an 18-channel servo-hydraulic testbed for evaluation of hip joint designs. Nine channels are dedicated to fatigue and fretting studies of the modular hip cups, and nine channels evaluate friction and wear, simulating the motion and forces of a patient walking. This is the first configuration of this type in the world. The hips cycle back and forth at the rate of one cycle per second, and each is loaded from zero to over 400 lbs. at the same time. The machine is built for reliability because one set of tests can last for over two



Dr. Ian Clarke, professor of orthopaedic research, and the 18-channel Servel hydrolic hip simulator

months (10 million cycles = 10 years of patient use).

Worldwide Interest in LLUMC Tribology Studies

The first major article on tribology studies has been accepted by a prestigious Swedish journal to inform Europe that LLUMC has entered this field of study. Already inquiries have come in from USA, Switzerland, and Japan about

the possibility of running their implant wear studies at LLUMC.

Future Studies

The knee machine is a very complex system and is still under development. A single-channel prototype is under way to validate the overall design. Currently, the hip machine is being upgraded to enable more types of studies to be conducted. ■

Profile: George V. Summers, Ph.D.

by: William P. Bunnell, MD, Chairman, Dept. of Orthopaedic Surgery, LLUMC



Dr. George V. Summers is returning to Loma Linda University after a 14-year absence. In September of this year Dr. Summers joined the LLU orthopaedic department to work on a half-time basis and, as he puts it, is "having fun" doing editorial work for the orthopaedic faculty. His main responsibility is to edit and assist in the preparation of research papers being written for publication. Presently he is working on five such papers.

Dr. Summers comes to the orthopaedic department with impeccable credentials and a wealth of experience as a librarian, teacher, editor, and author.

While at the Chinese University of Hong Kong (1980-86) he was responsible for the complete organization of its faculty medical library. He also assigned subject headings to all of the herbal information which had been translated from Chinese into English.

Summers, who is semiretired, in 1992 left his last appointment as director of the University Library, East Stroudsburg University, East Stroudsburg, PA.

We welcome Dr. Summers to the department of orthopaedics. His wealth of experience in the editorial field will be a great asset to the department. ■

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Newsletter**
is published in
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July,
and October

Finest of professions . . .

Continued from page 1

tionships are in a state of transition. Until recently, a physician who was conscientious, took good care of his patients, and was willing to work, inevitably succeeded. The patient was his customer. In our present practice, the patients we are seeing and examining represent only seven percent of our time. The primary customer has become a Health Maintenance Organization, an insurance company, the state, or an attorney. These entities now have the power to decide the conditions under which we practice, and they can even decide *if* we practice at all.

Are we going to become just another provider? Are we going to start bidding along with those who do the laundry, provide electricity, and sell computers? During this period of transition I believe it will be necessary for all of us to clearly define major issues in our minds and protect and cherish those aspects of our profession that truly bring us long-lasting satisfaction. Focusing on and defending those aspects of our profession that are most meaningful is essential to our well-being.

I am concerned as I personally face these issues and challenges. Can I maintain my proper priorities with all of these additional pressures? I often ask myself, "When I lay down my scalpel and take off my white coat, will what I have done constitute a profession or a trade?" ■

A colleague is lost

MICHAEL J. FINK, MD

1963 - 1994

Michael was returning to his home on October 16, 1994, while on call when he was hit head-on in Loma Linda by four young thugs racing away from a crime scene. His death was virtually instantaneous. The driver of the other car suffered only a broken arm, and although he already had a police record remains free on bail.

Michael was an honor graduate of J. I. Pearce High School in Richardson, Texas, and an honor graduate from the University of Texas at Austin. He completed his medical school studies at Baylor College of Medicine in 1991 and was currently in his fourth year of orthopaedic residency.

Michael was an avid sports enthusiast with significant accomplishments in basketball and competitive cycling. He was active in many social and community outreach activities.

A memorial service attended by some 400 people was held at the University Church Chapel on October 19.



Michael was eulogized by many of his friends as one who loved life and lived it to its fullest. He was a loving husband and a son who made his parents proud. He maintained a wide circle of friends and kept in close touch with them. Recently he had attended a family reunion and reunions of his medical school and college classes. "Michael had nothing to say that he had not said, no hugs to give that he had not given. He was intellectually and spiritually prepared to live well or die well," a friend commented.

Michael is survived by his wife, Sandra, MD; his parents, Karl and Diane Fink of New Jersey; his in-laws, John and Peggy Clough of Cypress, Texas; and a host of friends.

A Michael J. Fink Memorial Fund has been established within the department of orthopaedic surgery. Contributions to this fund should be directed to Donna Simmons, c/o Department of Orthopaedic Surgery, Loma Linda University Medical Center, Room A525, 11234 Anderson Street, Loma Linda, CA 92354. ■

In Memory of Dr. Michael Fink

A Texas Star

by Michael W. Fletcher

A Texas star fell the other night,
Never thought it would.
Never thought it might.
Even though it is gone,
You can still see its light.

We are all standing silent, looking to the sky.
We are all asking questions, like "Why?"

A Texas star fell the other night,
Never thought it would.
Never thought it might.

It happened so quickly,
without a clue.
There was nothing we could do.

We are all standing silent,
looking to the sky.
We are all asking questions, like "Why?"

A Texas star fell the other night,
Never thought it would.
Never thought it might.
But God has a reason why he needed this light.

He is using it to make heaven more bright. ■

Michael W. Fletcher, a San Bernardino County Deputy, touched by this tragedy, wrote this poem on October 18, 1994, two days after Michael Fink was killed.

The Chairman's corner

by William P. Bunnell, MD, Chairman,
Department of Orthopaedic Surgery, LLUMC

Florida residents are well aware of sinkholes. They result when underground water is pumped out faster than it is naturally replenished. The same is true for our personal lives. Outer collapse follows a depletion of inner resources. We were all put to the test recently as we sought ways to cope with the death of Michael Fink, MD.

Significant administrative changes have taken place at Loma Linda. **Brian Bull '61** has been named dean for the School of Medicine. **David Moorhead '73-B** has been named CEO of Loma Linda University Medical Center. The medical staff at Loma Linda Community Hospital (now renamed Loma Linda University Community Medical Center) has been merged administratively with the medical staff of LLUMC.

Our group has acquired a new business manager. Mrs. JoAnn O'Brien has nearly 20 years of administrative experience with orthopaedic surgery groups. She brings a high level of expertise and has facilitated significant financial and administrative reorganization.

Ian C. Clarke, PhD, has joined our department and brings with him internationally recognized expertise in the area of tribology (study of wear). He has set up a new tribology laboratory made possible by a generous gift from Howard and Irene Peterson. He has designed a hip simulator—unique in the world—which is now functional in the laboratory. Several presentations have already been made and publications are pending.

George Summers, PhD, has joined our department to facilitate our research efforts. Dr. Summers is the former director of University Libraries at LLU and brings expertise in library research and grant application. His addition to



our department should greatly facilitate our "publishability."

Robert A. Unsell '76-A has announced his intention to resign from our department effective July 1, 1995, and move to Oklahoma City. This will create a significant void in our faculty, and

I have just received word from the American Board of Orthopaedic Surgery that all of our candidates taking both Parts I and II of the Boards this year were successful!

recruiting efforts for his replacement are ongoing. We wish him well in his new location.

We have finally completed the renovation of our orthopaedic library with the addition of new bookcases, chairs, and carpeting. It was a much-needed upgrade and provides an atmosphere conducive to study.

I have just received word from the American Board of Orthopaedic Surgery that all of our candidates taking both Parts I and II of the Boards this year were successful! Our success rate over the past seven years is 100 percent!

Program plans for APC '95 are nearly complete (see accompanying article). I hope you will plan to attend.

We work very hard to maintain and increase the resources available to our department. Our loss of Michael Fink is a stark reminder that we need to constantly review our own inner personal and spiritual resources lest we find ourselves in a sinkhole. ■

APC '95 Symposium

by William P. Bunnell, MD

The Orthopaedic Symposium slated for APC '95 will be a pediatric orthopaedic review. Speakers will include faculty members from our orthopaedic department as well as guest speakers who are authorities in the field of pediatric orthopaedics.

Our featured speaker for the Harold Boyd Memorial Lecture, scheduled for Sunday, March 5 at 11:15 a.m., will be G. Dean MacEwen, MD, who holds several distinguished titles at the Louisiana State University Medical Center and Children's Hospital, New Orleans, Louisiana. Currently, Dr. MacEwen is professor and chief, section of pediatric orthopaedic surgery, department of orthopaedic surgery; chairman, department of pediatric orthopaedic surgery; and director of orthopaedic education. In addition to his academic and clinical positions Dr. MacEwen holds several honors and is a consultant in orthopaedics to several health care institutions. We are honored to have Dr. MacEwen present the Harold Boyd Memorial Lecture. The title of his presentation is "Putting the Shoe on the Other Foot."

Presenters at our APC '95 Symposium, which will be geared to the general audience as well as to the specialist, will 1) list the most important orthopaedic conditions found in the newborn, toddler, juvenile, and adolescent patient; 2) describe the pathophysiology of common pediatric orthopaedic conditions; 3) enumerate the symptoms and physical findings of common pediatric orthopaedic conditions in children; and 5) name the treatment options available for common musculoskeletal problems in children.

Again this year we are excited about the Symposium. To assist you in your planning we have included the two-day schedule and the registration form in

this issue of the *Newsletter*. You will be interested to note that the fee remains unchanged from that of last year. We look forward to seeing you there. Remember, the Loma Linda University School of Medicine designates this symposium as a continuing medical education activity having 11.25 hours in Category I of the Physicians Recognition Award for the American Medical Association.

See you there!

ATTENTION! Neufeld Society Members

The annual AAOS meeting will be held in Orlando, Florida.

For those NS members wishing to meet in an informal social setting during the AAOS meetings, please contact **Phil Reiswig '61**. The date of the social gathering is scheduled for Saturday evening, February 18, 1995. The time and place to be announced.

**MEMBERSHIP
in the
Neufeld Society
is a
choice and
a privilege.**

**Become a member
of the
Neufeld Society
today.**

Registration Form

Pediatric Orthopaedic Review

Sunday, March 5, 1995
and
Monday, March 6, 1995

Name

Address

City

State _____ Zip _____

() Registration Fee
\$250

() Neufeld Society
Dinner
\$35.00/person

Saturday, March 4,
1995

6:30 p.m. at the

**Radisson Hotel
295 North E. Street
San Bernardino, CA**

PEDIATRIC ORTHOPAEDIC REVIEW

March 5 & 6, 1995

SUNDAY, March 5

NEWBORN

- 8:00-8:15 **Examination of the Newborn, Birth Fractures**
D. Allan MacKenzie, MD
- 8:15-8:45 **Recognizable Syndromes Short Stature**
George Bassett, MD
- 8:45-9:15 **Congenital Anomalies of the Upper Extremity**
Virchel Wood, MD
- 9:15-9:30 **Brachial Plexus Injure**
Robert Unsell, MD
- 9:30-9:45 **Congenital Muscular Torticollis**
James Shook, MD
- 9:45-10:15 **Congenital Scoliosis and Kyphosis**
James Shook, MD
- 10:15-10:45 BREAK
- 10:45-11:15 **Spina Bifida**
Lewis Ziotts, MD
- 11:15-11:45 **Developmental Dislocation of the Hip**
George Bassett, MD
- 11:45-12:15 **Boyd Lecture**
Putting the Shoe on the Other Foot
G. Dean MacEwen, MD
- 12:15-1:15 LUNCH
- 1:15-1:30 **Skeletal Dysplasia of the Lower Extremity**
William P. Bunnell, MD
- 1:30-2:00 **Congenital and Developmental Abnormalities of the Foot**
William P. Bunnell, MD

TODDLER

- 2:00-2:30 **Development of Normal Gait Developmental Delay**
Mark Hoffer, MD
- 2:30-2:45 **The Limping Child**
Martin Stauber, MD
- 2:45-3:15 BREAK
- 3:15-3:45 **Cerebral Palsy**
Mark Hoffer, MD
- 3:45-4:00 **Child Abuse, Common Fractures**
Lewis Ziotts, MD
- 4:00-4:30 **Osteomyelitis, Septic Arthritis, Discitis**
James Shook, MD
- 4:30-5:00 **Developmental Abnormalities of the Lower Extremity**
G. Dean MacEwen, MD

MONDAY, March 6

JUVENILE

- 8:00-8:15 **Growing Pains**
James Shook, MD
- 8:15-8:45 **Tumors; Malignant and Benign**
Leisure Yu, PhD, MD
- 8:45-9:00 **Leg Perthes Disease**
William Bunnell, MD
- 9:00-9:15 **Leg Length Discrepancy**
William Bunnell, MD

ADOLESCENT

- 9:15-9:35 **Upper Extremity Trauma**
G. Stewart Campbell, MD
- 9:35-10:00 **Lower Extremity Trauma Common Sports Injuries**
Martin Stauber, MD
- 10:00-10:15 **Upper Extremity Sports Injuries**
Christopher Jobe, MD
- 10:15-10:35 BREAK
- 10:35-10:50 **Knee Pain**
Leisure Yu, PhD, MD
- 10:50-11:20 **Spinal Deformity; Scoliosis and Kyphosis**
William Bunnell, MD
- 11:20-11:50 **Back Pain, Spondylolisthesis, Spinal Fracture**
John Skubic, MD
- 11:50-12:10 **Slipped Capital Femoral Epiphysis**
D. Allan MacKenzie, MD
- 12:10-12:30 **Deformities of the Foot**
F. William Wagner, Jr., MD

**Come to
Meet your
Colleagues,
Learn New Insights
Enjoy the Fellowship**



Please enroll me as a member of

The Neufeld Society

Annual Membership:

- Regular \$100 Resident at _____ Completing in 19____
- Resident, Retired, Honorary, First year in practice are Dues-free
- Neufeld Society Tietack/lapel pin \$30
- Alonzo J. Neufeld Research Endowment Fund: \$_____
- Neufeld Society Life Membership \$1,500 Neufeld Society Dinner \$35

Name _____

Address _____

City _____ State _____ Zip _____

Received MD degree from _____ in 19 _____

Completed Residency at _____ in 19 _____



Neufeld Society NEWSLETTER

The *Neufeld Society Newsletter* is produced by the Alumni Association, School of Medicine of Loma Linda University, and is free to all orthopaedists. Your written request will place you on the mailing list.

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Editorial Consultant: Dennis Park

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Richard Rouhe '65, **Eskild**
Reinhold '68

All Neufeld Society correspondence and manuscripts should be directed to the Editor, Neufeld Society Newsletter, 11245 Anderson Street, Suite 200, Loma Linda, CA 92354.

Please Note:

The dates for APC '95 are
March 3 to 9, 1995

The Neufeld Society Dinner
 will be held at the
 Radisson Hotel, San Bernardino
 Sat. night, March 4 at 6:30 p.m.

The Neufeld Symposium
 will convene on
March 6,7

Operating under the umbrella of the
Alumni Association,
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