



Neufeld Society

NEWSLETTER

Volume 9, Number 2

June, 1996

Looking ahead

by *Martin H. Stauber '86, President*

It is with an enthusiastic "Hello" that I welcome you to this year's first newsletter. As your 1996 Neufeld Society president, I will strive for a renewed interest in our alumni—especially in the more recent graduates—and in our Neufeld Society.

With the ever-evolving changes in health care, we all struggle to reduce overhead, fight off (or at best deal) with capitation, and maybe occasionally discuss an interesting case with fellow orthopaedists. For those of us who are "community orthopaedists" and not affiliated with a teaching hospital or university, active communication with our peers on both a local as well as national level is

important. I believe the Neufeld Society is an ideal forum for such contact.

As a partner in a six-man ortho group in Orange County in Southern California, I am in the thick of it in regards to the changes in medicine today.

How have your practices changed over the last five years—or five months? What have your experiences been that have (hopefully) led to a more enjoyable and prosperous practice? Are there particular questions or concerns you have regarding a surgical technique, an office dilemma, an insurance contract problem, or the formation of a sub-specialized orthopaedic organization or IPA?

A renewed interest and eager participation in the Neufeld Society could produce answers and deal with many of these issues. In addition, this year's Neufeld Society board will also entertain the possibilities that we function on more of a social level as well. Watch for more information on this matter.

As Dr. Yu's article summarized, our 1996 APC conference was a tremendous success and proved to be most interesting. Under the direction of **Tom Donaldson '84**, preparation for the conference next year, that will focus on "Total Joint Arthroplasty," is well under way.

Department of Orthopaedic happenings

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

"Reading maketh a full man; conference maketh a ready man; writing maketh an exact man."

—Francis Bacon

This favorite quote of mine took on new meaning during the past two months as I prepared for a quinquennial site visit by the Residency Review Committee (RRC). It describes the philosophical basis of the educational process for our residents: reading and listening to lectures form the knowledge base; conferences are specifically designed to develop residents' ability to think quickly and logically; and participation in research and

writing is designed to develop critical thinking.

Our review process was quite different than that of previous site visits, since the examiner was a Doctor of Education/nurse, rather than an orthopaedic surgeon. I correctly anticipated that great emphasis would be placed on goals, objectives, and documentation. Although we all know what we are trying to do educationally and how we go about it, writing it in proper form was an exacting task. The personal satisfaction of writing that document can only be outdone by a letter of approval from the RRC, which we anticipate in July.

APC '96 was a great success. Many

orthopaedic topics were covered under the umbrella of "Minimally Invasive Orthopaedics." Lanny Johnson, MD, was the Boyd Lecturer. Leisure Yu, MD, PhD, did an outstanding job as program chairman, recruiting five nationally known guest speakers as well as LLU faculty members. Attendance was over 100 persons, and the evaluations were overwhelmingly positive. Congratulations and many thanks, Dr. Yu.

Virchel E. Wood '60 was named Orthopaedic Alumnus of the Year by the Neufeld Society. His many accomplishments were enumerated at the annual banquet, including his citation by

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APC '96—a backward glance

by Liesure Yu, MD

APC 1996 was a success on all accounts. The conference on "Minimally Invasive Orthopaedic Procedures" was held on March 3 and 4, 1996. In spite of the fact that the AAOS National Meeting was completed on Tuesday of the same week, attendance at APC 1996 was one of the largest in the history of the Harold B. Boyd Lectureship. More than 100 people attended the Sunday conference and some 80 people were present on Monday, March 4. The Harold B. Boyd lecture was presented by Dr. Lanny L. Johnson, whose talk on "Arthroscopy Changed What We Knew for Certain" redefined Baker's Cyst. It is more appropriately named a popliteal cyst. Dr. Johnson provided new insight into the treatment of this common disorder. **Jean Boyd '31**, now approaching her 87th birthday, and her daughter, honored us with their presence. Dr. Boyd received a standing ovation from the audience.

The conference was divided into eight sections. Eight guest faculty complemented by thirteen LLUMC/SBMC faculty made the presentations. There were five national and international guest speakers who anchored one or more of the sections. Dr. Lanny L. Johnson co-anchored the lectures on knee arthroscopy with Dr. Matthew S. Shapiro from UCLA. Dr. Duran

Yetkinler, from The Norian Corporation, presented the "In Situ Formation of the Mineral Phase of Bone" and co-anchored the section on "Percutaneous Procedure on Bone" with Dr. Bruce Rougraff (Indiana), who presented his topic on "Injectable Allogeneic Bone Graft in the Treatment of Bone Cysts."

The shoulder arthroscopy prominently featured Dr. Steven Snyder of the Southern California Orthopaedic Research & Education Center. Dr. Snyder held an impromptu workshop session on arthroscopic knot tying. It drew enthusiastic participation from the group for an hour after the conference had ended. Dr. John Regan from the Texas Back Institute presented his outstanding lecture and video series on endoscopic procedures for thoracic and lumbar spine. On Monday, March 4, Dr. Yetkinler was the featured guest lecturer on minimally invasive fracture fixation. The foot and ankle series featured Dr. William Wagner, who is one of the two new faculty additions to the staff at LLUMC. The last series of lectures on elbow and wrist arthroscopy was concluded by Dr. Galy McGillivray, who is the new hand orthopaedic surgeon at LLUMC. Dr. Bob Wells from Portland, Oregon, also presented his six-year perspective on endoscopic carpal tunnel release.

APC 1996 featured many firsts. It was the first time that five nationally and internationally famous speakers were presenters. For the first time a company research scientist presented a product under development, giving us insight into the future possibilities of the Norian Skeletal Replacement System. It drew a question from the audience on where to buy stock in the company or how participate in the initial investment of this product. This conference attracted the participation of 16 exhibitors. We were able to utilize the laboratory facility of the department of microbiology as an exhibitor hall. Smith, Nephew & Richards generously provided the lunch on Sunday. This provided opportunities to interact with lecturers, exhibitors, and conferees. APC '96 could be a model for future APC programs.

During the elbow and wrist arthroscopy session **Virchel E. Wood '60** was surprised by the announcement of The Virchel Wood Chair and was presented with a plaque to this effect. Predating this successful conference, a brochure was sent out to orthopaedic surgeons in the states of Oregon, Arizona, and California.

The Neufeld Society looks forward to the 1997 program on "Total Joint Arthroplasty" with even more enthusiasm. ■

The Next
Neufeld Society
Newsletter
is scheduled to
be published in
August 1996

APC '97
February 28 to March 4, 1997
Plan now to attend the
Annual Orthopaedic Symposium
on Joint Arthroplasty
on March 2 and 3

Department happenings . . .
Continued from page 1

the American Society for Surgery of the Hand as the most quoted author in the area of congenital hand deformities. Formation of the Virchel E. Wood Endowment Fund was announced by **Steven Yegge '85**, president of the Society, which has taken on the goal of raising \$500,000 to help guarantee the future of orthopaedic education at Loma Linda University. Congratulations to Dr. Wood!

We will graduate three residents next month. **Joe Scoggin '91** will enter private practice in Mississippi; **Veronica Pedro '91** will do a hand fellowship at the University of Alabama; and **Jim Osborn '91** will do a spine fellowship at the University of Minnesota. We wish them great success.

Writing the goals and objectives of our residency program was a difficult but very beneficial exercise. They provide a mechanism whereby vision and direction can be clearly communicated. They provide standards by which to measure the effectiveness of our professional activities. Having been through this exercise on a professional level, I'm now challenged to repeat the process on a personal level. How about you? ■

**The
Neufeld Society
Board**

Meets on

September 19

and

December 5

1996

Orthopaedic research at LLU

by William P. Bunnell, Chairman

This has been both a formative and a progressively exciting year for our two research sections. In January 1996, Ian C. Clarke PhD was named director of orthopedic research and Dr. Qiang Dai was named chief of the biomedical research laboratory (BRL). Dr. Clarke continues as director of the Howard and Irene Peterson Tribology Laboratory (HIPTL).

The main focus of the BRL—supporting the research of residents, fellows, and faculty—includes 3-D morphology of the shoulder joint, fracture-fixation in the femur, spine, and wrist, resorbable bone-anchors for sutures, joint-implant studies in the hip and shoulder, plus the mechanical properties of tendon and mandibular bone. Thanks to the support of Lanny Johnson MD, we updated our BRL facility with a sophisticated multi-channel data-acquisition system (DMS-1000 Mk-12; Western Graphtec Inc.). This computer system will work with our two INSTRON load-frames and will greatly extend our research capabilities.

The 1995-96 period was also a very active transition time for HIPTL. As you know, research in friction, wear, and debris from joint replacements is the "hot-button" in orthopedics today. We were invited by BIOMET Inc. to participate in studies of their new ArCom™ polyethylene. We presented these studies from our 9-channel simulator at the Dartmouth Joint Conference in 1995 and at Vail Orthopedic Symposium in 1996. The laboratory is now conducting the second funded wear study of ArCom polyethylene, this time examining the contributions of both the fabrication and sterilization procedures.

Dr. Clarke gave two other wear presentations at the national meetings. At the combined ORS meeting in San Diego, the title was "Effects of serum and water lubrication on PTFE/CoCr implants" and at the AAOS meeting in

Atlanta, the paper was "Wear analysis of hip prostheses: Effects of material and femoral head size." Our first journal publication appeared this month, titled "Hip simulator ranking of polyethylene wear - comparisons between ceramic heads of different sizes" (*Acta Orthop. Scand.* 67/2, 1996). Two other wear papers have now been accepted for publication (*J. Eng. Med.* and *J. Appl. Biomat.*). We also trained two students in the summer of 1995, one LLUMC medical student and one premed student from northern California. Their work in the wear laboratory added two new manuscripts to our publication list.

We received our second multi-channel hip simulator in Jan. 1996. The 12-channel capacity of this machine gave us the capacity to study the dose-response sterilization-curve as requested for a Japanese polyethylene study (Sponsors: Drs. H. Oonishi and A. Fujisawa, from Osaka and Kyoto). Design and development of the proposed knee simulator also progressed well in the first half of 1996 and we anticipate the prototype knee machine running this summer.

L. Anissian, MD, and L. Yu, MD, developed protocols for a new project involving separation and sizing of wear particles. Thanks to the support of COULTER Inc., we added to our HIPTL facility a sophisticated, new LS-230 Coulter Particle Counter. The bioelectricity lab was converted to accommodate the particle study projects. We anticipate exciting data from this latest addition (LS-230 detects particles from 1mm down to 40nm (1nm = 1 millionth of a millimeter)).

We are pleased to announce that Victoria Good was accepted as a PhD candidate in 1996 by the University of Strathclyde, UK. Her simulator-wear research will be performed at LLUMC, but will require Victoria to spend certain study time in Europe learning their technology. ■



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
- Unrestricted donation to the Neufeld Society (operating budget) \$_____

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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Virchel E. Wood Fund

update

Goal: \$500,000

Total received as of May 31, 1996

\$3,000

Nonprofit
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Paid
Loma Linda, CA
Permit No. 45