

6/74

university of oregon medical center

Clark presents degrees to 254

Two hundred and fifty-four students received degrees June 7 at the joint commencement ceremonies of the University of Oregon Medical School and School of Nursing at the Portland Civic Auditorium.

Dr. Charles N. Holman, Medical School dean, presented 102 candidates for doctor of medicine degrees. Names of two master of science and six doctoral candidates were read by Dr. John M. Brookhart, chairman of the UOMS graduate council.

Jean E. Boyle, dean of the School of Nursing, presented recipients of 126 bachelor of science in nursing degrees, four bachelor of arts in nursing degrees, three master of science in nursing education degrees, and 11 master of nursing degrees.

Dr. Robert D. Clark, president of the University of Oregon, Eugene, conferred degrees.

Gold headed cane

Winner of the UOMS top honor for graduating seniors was John R. Lobitz. He was picked by his classmates and teachers to receive the coveted Gold Headed Cane Award as the graduate who will "forever epitomize and uphold the traditions of the true physician."

The cane is symbolic of the wand of the ancient physician Aesculapius and is awarded to a student "in recognition of compassionate devotion and effective service to the sick." The gift is given in honor of Dr. Edward S. Hayes, and carries a \$1,000 award. Dr. Hayes was the father of Edmund Hayes, retired Oregon lumberman and member of the UOMS Advancement Board. Presenting the award was Dr. G. Colin Buchan, chairman of the honors and awards committee.

Student awards and faculty awards for teaching excellence were presented at the annual class banquet for graduating medical students June 5 at Town Hall.

The Dr. Allan J. Hill Award for Teaching Excellence, which is given annually to members of the full-time faculty, went to Drs. Donald Kassebaum (second successive year), professor of medicine; Robert Meehan (for the fifth time), professor of pediatrics; and Michael Miller (for the third time), associate professor of pediatrics.

The award was also presented to basic science faculty members Drs. G. Colin Buchan, head of the division of neuropathology and professor of pathology; Reid Connell, associate professor of anatomy and assistant professor of neurology; and Robert E. Swanson, professor of physiology.

The Allan J. Hill Award is named in memory of Dr. Allan J. Hill, late clinical professor and chairman

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Awards to students and faculty given at annual class banquet

Photographs by Mike Webb



Dr. Allan J. Hill Award winners: Drs. Robert Meechan, Donald Kassebaum, Michael Miller with M. C. Kirk Jacobson. Not pictured: Dr. G. Colin Buchan, Reid Connell, Robert E. Swanson.



Oliver M. Nisbet Teaching Award winner: Dr. Joel Seres with M. C. Kirk Jacobson. Not pictured: Dr. Paul Burgner.



David W. E. Baird Award winners: Drs. Charles Bird and Walter McDonald with M. C. Kirk Jacobson, center.



Roche Award winner: John Jendrzejewski with M. C. Kirk Jacobson.



Howard P. Lewis Award Winner Dr. Daniel Brown, left, accepts citation from Dr. Lewis. Dr. Errett Hummel, also a Lewis Award winner, is not pictured.

medical center news

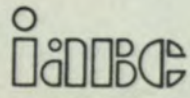
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Charles N. Holman, M. D., Dean
Joseph J. Adams, Assistant Dean;
Executive Editor

Mary Ann Lockwood, Editor
Susan Pogany, Managing Editor
and Photographer

Contributors:
Diane Ledgerwood
Mike Webb



MEMBER
Oregon Association of Editors
and Communicators
International Association of
Business Communicators

Commencement

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of the department of pediatrics at the Medical School, who died in 1963.

Two members of the volunteer faculty were recognized with the Oliver M. Nisbet Teaching Award. Recipients selected by the Class of 1974 were Drs. Paul Burgner (for the fourth time), clinical professor of medicine, and Joel Seres (for the fourth consecutive year), associate clinical professor of neurosurgery.

Dr. Oliver Nisbet, late professor emeritus of surgery, was on the clinical faculty from 1926 until his death in 1967.

The David W. E. Baird Award, recognizing teaching excellence in a junior faculty member who has been with the institution less than five years, was given to Drs. Charles Bird, instructor in orthopedics, and Walter McDonald, assistant professor of medicine (Veterans Hospital).

The award is named for Dr. David W. E. Baird, dean emeritus, who retired in 1968 after 45 years on the UOMS faculty.

This year, for the first time, the Howard P. Lewis Award was presented to two outstanding senior residents for their teaching. The award went to Drs. Daniel Brown, obstetrics and gynecology, and Errett Hummel, neurosurgery. Dr. Howard P. Lewis is professor emeritus of medicine.

Seven of this year's 12 award winners were UOMS graduates.

Dean Holman presented student awards at the banquet. Robert D. Lindgren was the fifth recipient of the Vernon M. White Award for Medical Diagnosis. John R. Lobitz was presented the Upjohn Award for "outstanding academic attainment and personal qualities."

John W. Jendrzejewski received the Roche Award

for an "outstanding medical student and one who shows great promise in the practice of medicine."

Perry Camp and Gordon Lee won the Merck Manual Awards. Sid Harr and Christen Eidal were presented the Lange Medical Publications Awards. The Mosby Scholarship Awards went to Robin Reece, Dean Rinard, Rex Rolfe, Craig Schmidt, and Larry Nagel.

Three graduate magna cum laude

Medical students graduating *magna cum laude* were John Jendrzejewski, Robert D. Lindgren, and John Lobitz.

Those graduating *cum laude* were Kirk D. Jacobson, Craig W. Jacobson, Gordon E. Lee, Jean E. McCusker, Michael P. Metke, John S. Miller, and Donald A. Peterson.

Graduating nurses were honored at a commencement luncheon June 6 at the First Covenant Church. Dean Jean Boyle presented awards to outstanding students.

Those graduating with high honors were JoAnn E. Ahrendt, Pamela Jean Berg, Diane Kathleen Bixby, Gail Helen Kelt Buss, John Patrick Fitzgerald, Marie Irene Ireland Hathaway, Dorothy T. Kawai, Kathleen Mary Keys, James Edwin McDonald, Margaret Ann McMahon, Kathy Jo Meek, Donna Susann Winkquist, Vicki Lisa Gaska Withers, and Karen Helena Woodard.

Graduating with highest honors were Gorjean Kay Armen, Patricia Ann Barott, Betty Ann Berglund, Linda Suzanne Lee, Janelle Cecil Lorts, Christine Ann Love, Pamela Jean Mitchell Lundy, Kay Ellen Metsger, Patricia Marie Wilson, and Geraldine Ann Kildow.

Named Best All Around Student was Geraldine Ann Kildow.



Talwalkar named 1974 recipient of Bilderback Award

Dr. Yeshawant Talwalkar, second from right, assistant professor of pediatrics, was recently presented the Joseph B. Bilderback Award in recognition of outstanding clinical teaching and patient care.

The pediatrics house staff gave Dr. Talwalkar the award at the Bilderback Lecture May 14. A plaque bearing names of recipients of the award is kept in the pediatric library at the Medical School Hospital.

In the photo at left, Dr. Talwalkar discusses the condition of a hospitalized one-year-old with Jane Mayes, intern; Bob Anderson, medical student III, second from left; and Joe Vanderwerf, intern.

Family practice clinic moves to Jones Hall

Family practice, the Medical School's youngest department, will move to new quarters in Emma Jones Hall June 27.

Established just three years ago with three residents, the family practice residency training program will have 19 residents by the end of next month.

"Basic core training in family practice is aimed at preparing physicians to deliver comprehensive and continuing health care to the patient and family," said Dr. Laurel Case, professor and chairman of the department of family practice. "We stress 'longitudinal' care, not just care during episodes of illness. Emphasis is on continuing care for the person as a whole. So our residents need training across all fields.

"The importance of including the family in comprehensive health care cannot be overemphasized," Dr. Case pointed out. "The family physician who knows the whole family, already has data important to the management of the patient's problem."

5,000 patients seen this year

About 5,000 patients were seen by the fast-growing department this year, and at least 12,000 are anticipated next year, Dr. Case estimated. In 1975, the department will begin a medical student clerkship which will increase the patient load substantially.

The family practice center in Emma Jones Hall will include a large patient waiting area; a special biometrics room for routine diagnostic screening procedures; more and larger examining rooms; a large nursing station; a minor surgery room; a small screening laboratory; and faculty office space on the first and third floors.

"One of the important aspects of family practice is the relationship between the physician and his patients," explained Dr. Case. "Often the doctor becomes close to the entire family. Professors will use observation windows with one-way glass to monitor a resident's encounter with his patients without interfering."

At times, the department of instructional aids will be called in to videotape the doctor-patient visit.

"We'll play the tape back later to the resident so that he can see himself in action," said Dr. Case. "When we see ourselves as others see us, there is a strong motivation to change."

Computer will evaluate care

The department is also establishing a small computer center to be used in evaluating resident performance and care in the clinic. A terminal here will be linked to Oregon State University's large computer.

"The program is still in the development stage, but our goal is to input certain portions of all of our patients' charts, as well as demographic and socioeconomic data," Dr. Case explained.

"We hope to use the computer to answer such questions as 'How has Resident "X" been treating all the hypertension patients he's seen?' or 'How many of a certain type of problem have we seen in a certain age group or sex or period of time?' By January, we

should be doing a fair amount of evaluation with this system."

Dr. Case commented that the quick growth of UOMS's family practice training program is representative of a national trend.

He explained that after World War II, the number of general practice physicians began declining rapidly. Specialization was stressed in medical schools, and since that time even the specialties have further subdivided into cardiologists, cardiac surgeons, etc. The number of physicians giving general, front-line medical care declined quickly during this period.

Not enough family physicians

By the late 1960's, studies by the AMA and American Academy of General Practitioners had shown that the need for more family physicians was acute. In 1968, the American Board of Family Practice was created, and since that time more than 200 family practice residency training programs have been established. About 60 of these are in medical schools.

Dr. Case explained that the greatest shortage of family practitioners is in rural areas. He added that one of his department's major goals is to supply outlying areas of Oregon with competent family physicians.

As of last year, residents interested in UOMS's family practice training program were sent materials which stressed the department's interest in rural practice. Applicants have since been selected, in part, on the basis of the interest they express in this area.

The department of family practice is gearing its program to provide training for physicians who will practice in outlying communities.

Rural physician needs extra skills

"If a physician is going into a rural area, he needs additional skills in the surgical and obstetrical fields," Dr. Case observed.

"There are many rural areas in Oregon where the distance to a specialist is so great that in emergency situations, where time is a factor, the doctor in that town needs a proficiency in certain emergency surgical procedures.

"For instance, in that small percentage of problem deliveries where a Caesarean section is indicated, the rural physician must be able to perform this surgery. He also needs training in determining at what point a patient must be transported to a center where he can receive more specialized care."

In addition to aiming its application material and training program toward those interested in rural practice, the UOMS family practice department hopes to establish a satellite training program in an outlying area of the state by mid-1976.

Negotiations have begun with several localities in which such a program might be located.

"The program would be reasonably autonomous, but would have administrative and academic ties with

the main campus," Dr. Case explained. "Individual residents would take all their years of training in this outlying area with limited rotation between the Medical School and the satellite program."

"We hope that some of the residents in the program will continue to practice in the vicinity of the satellite project when their residency is completed. Several surveys have shown that a high proportion of physicians end up establishing their practices within 50 miles of where they do their residencies," said Dr. Case.

He commented that the UOMS family practice department hopes to be instrumental in making up Oregon's deficit of family physicians within the next 10 years.

Grover announces grant to improve medical education

A \$157,000 grant to improve medical instruction has been awarded the Medical School by the Louis W. and Maud Hill Family Foundation of St. Paul, Minn.

According to Associate Dean M. Roberts Grover, Jr., who is the project coordinator, plans call for developing and encouraging the self-learning concept for students and establishing means for faculty to evaluate and improve their teaching techniques.

"Using self-instructional programs to replace some of the conventional lectures will free faculty to spend more time with small groups of students in order to answer questions and improve their understanding of more complex medical concepts. In addition, self-instructional materials allow students to learn at their own speed and review the concepts when needed. The Hill Foundation grant will make it possible for the Medical School to develop such programs and determine how they can be most effectively used," Dr. Grover said.

Included in the program is the establishment of an Office of Medical Education on the campus with Dr. Robert Reichart, now director of the Forestry Self-Learning Center at Oregon State University, as director of the new medical education office.

FEW OREGONIANS ARE AWARE that microsurgery, now widely used by eye surgeons throughout the world, was pioneered in the Elks' Childrens Eye Clinic at the University of Oregon Medical School. The first report of this kind of surgery was made by the staff in 1948.



Oral exam adds finishing touch to years of study, preparation

For eight UOMS graduate students, 1973-74 was the year of the dreaded oral examination — the culmination of years of study, research, late nights, abandoned projects, uncertainty, excitement, and discovery.

One of the eight was Lynn Elwell, who was examined and judged according to tradition by a committee of faculty members which met May 22 in the Library seminar room.

After agreeing on the acceptability of Lynn's thesis, the committee requested his presence in the seminar room for the two-hour exam. He was asked to give a 20-minute summary of his dissertation, which concerned the protein composition of a bacterial virus. And then the questioning began.

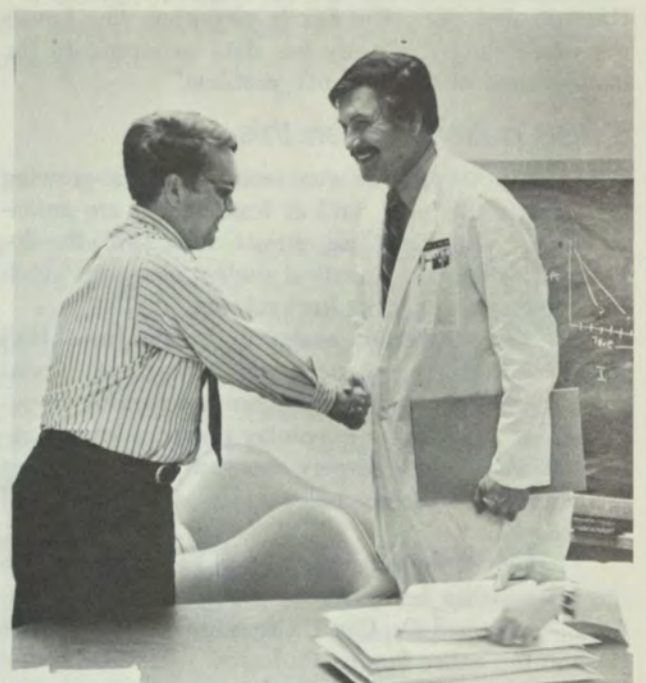
Responding knowledgeably with enthusiasm and animation, Lynn met his inquisitors on a strong footing. He answered most questions quickly and at length;

when he was unsure of an answer, he agonized.

When the questioning period was over, Lynn left the room during the committee's deliberation. Their decision was unanimously positive, and congratulations followed.

Members of the examining committee were Dr. Jules V. Hallum, professor and chairman of the department of microbiology; Dr. Abdel L. Rashad, associate professor of clinical pathology; Dr. Reid S. Connell, Jr., associate professor of anatomy and assistant professor of neurology; Dr. Barbara Iglewski, associate professor of microbiology; Dr. Marvin B. Rittenberg, professor of microbiology and associate professor of medicine; and Dr. Richard D. Moore, professor and chairman of the department of pathology and chairman of the examining committee.

Lynn was granted his doctoral degree at commencement June 7. He plans to do post doctoral work in infectious diseases.



Photos. Top left: Collecting samples from chromatographic columns, Lynn completes research toward his thesis. Center above: Lynn awaits the committee's verdict. Right, above: The candidate receives Dr. Hallum's congratulations. Right, below: The Ph.D. degree is conferred on Lynn at Commencement.

Instructional aids film shows infant intensive care at its best

The techniques used in saving and treating newborns at the UOMS neonatal intensive care unit (NICU) are among the nation's most advanced.

Yet many physicians, nurses, hospital administrators, and others from communities outside Portland are unaware of the great progress made in neonatal care at UOMS.

With the idea that more hospital personnel — as well as laymen — should know about such things as the Medical School's emergency transport system for infants and such breakthroughs as parenteral alimentation, NICU physicians approached the instructional aids division about a year and a half ago.

The outcome of their meeting was a 16mm, 22-minute color film, complete with music and narration, entitled "An Approach to Intensive Care of the Newborn."

Film meets with startling success

The film, which was produced by Kathy Sengenberger and filmed by Harry Dawson, has met with startling success. It is continually requested by community hospitals throughout Oregon and Washington and by various medical and nursing training programs.

Laymen's groups and schools have also appeared on the waiting list, and so many campus tour groups have requested the film that the UOMS public affairs office now has its own copy. (Tour groups are not permitted in the intensive care unit, which is an isolation area.)

Sick infant and family depicted

The film was completed about a year ago and depicts emergency transport, feeding, care and treatment, and other aspects of intensive care of infants. It also illustrates how the hospitalized infant and his family may maintain a close relationship in spite of a long period in intensive care.

"To shoot the film, we had to gown up and take all of our equipment and lights into the intensive care unit," explained Producer Sengenberger. "We had to work very quickly so that our hot lights wouldn't raise the babies' temperatures."

She added that she and Dawson are considering entering the movie in a medical film contest. They may also submit it for review in national pediatrics magazines. They hope the national publicity would elicit widespread requests for the film, which is avail-

able to appropriate groups for a nominal handling charge.

The neonatal movie is only one of several successful films which the year-and-a-half-old film unit of instructional aids has made. The American Medical Association has purchased six prints of another film which concerns "The Diagnosis of Drug Dependence with Naloxone." Their film on kidney donation has been viewed throughout Oregon. The unit also makes instructional films for classroom use on campus, and works with the public affairs office in producing new features for television stations throughout the state.

Instructional aids charges only for materials and processing when shooting films for other UOMS departments.

The division's instructional television unit produces videotapes — in color and black and white — and audiotapes for any interested department without charge. The unit tapes such things as surgical procedures, unique teaching cases, and patient interviews.

Variety of tapes available

Any student may request to have a lecture audiotape-recorded with the professor's permission. Instructional aids maintains a large tape library of lectures and symposia.

A high speed audio cassette tape duplicator is available free of charge to students and faculty who wish to copy tape recordings. The duplicator is capable of copying an hour-long lecture in three and a half minutes. Interested persons must provide their own blank cassettes.

The photography unit of the instructional aids division is available to shoot medical and public information photos. According to Dick Herren, director of instructional aids, a department needing color slides would pay twice as much for them if the job were done by an outside firm.

The medical graphics unit of instructional aids provides other Medical School departments with "conceptual visual illustrations for education," said Supervisor Fred Harwin. The unit designs posters, illustrations, exhibits, models, and logos, and produces the graphics for film strips, slide shows, overhead projections, and videotapes — all for a nominal charge.

The graphics on the outside of the physical plant were designed by the medical graphics unit.

The unit also gives advice to other departments on how to put together their own exhibits. There is no charge for consultation.

Canadians visit Tumor Registry

May visitors to the newly instituted Oregon Comprehensive Cancer Program Tumor Registry Program were registrars from the Royal Victoria Hospital and Montreal General Hospital, Quebec, Canada.

Having surveyed various computerized cancer control programs throughout the U.S., the group has adopted the uniform program in use by the OCCP registrars.



Discussing the set for a new videotape are Bob Stephens and Kathy Sengenberger, center, while Mike McKenzie, far left, TV technician, and Harry Dawson, film maker, set up equipment.

Crafty artists plan annual fence sale

The Sam Jackson Crafty Art and Buffalo Grass Society will hold its 5th Annual Fence Sale Saturday, July 20, from 12-5 p. m.

About 20 watercolor painters, most of whom are affiliated with the Medical School, will be selling their work. A percentage of the proceeds from the sale will go to the Student Loan Fund of the UOMS Advancement Fund.

Paintings will sell for \$1 and up. A special section of paintings for under \$1 for children will be fenced off. The section will double as a play area, and lemonade will be available. Artist Ken Carter, director of this year's sale, will do quick portraits. Demonstrations of watercolor painting will be given.

According to one artist in the show, Fran Kemper, formerly of UOMS medical graphics, a large crowd is expected at the show. "We expect that the section of paintings marked 'under \$7.50' will attract a lot of people again this year," she added.

The painters will have a potluck supper after the fence sale which is being held again this year in the gardens of Dr. Roy L. Swank, head of the division of neurology and professor of medicine. His address is 4400 S. W. Scholls Ferry Road.



Dr. Martin Pernoll, head of the division of perinatology, is one of 20 painters who will sell watercolors at the Buffalo Grass Society fence sale.



Mock blood and gore abound as UOMS joins disaster drill



Hospital personnel participating in the city-wide disaster drill June 8 treated everything from simulated amputated limbs to eye injuries and gashed chests. In center photo above, a Medical School physician and nurse work to decontaminate a victim who has supposedly been exposed to radiation. Also participating in the drill were various agencies of the City of Portland as well as the military. During the drill, a military helicopter landed in the parking lot near the Library, delivering several victims who were then taken to UHN.

Interns and residents selected

Recent medical school graduates who will begin service as interns and first-year residents in the UOMS Hospitals this summer include:

Rotating 3 Interns (emphasis on obstetrics and gynecology)

Russell Alfred Dow	Tufts University School of Medicine
Susan Mae Lark	Northwestern University
Wayman Louis Parker	Michigan State University
David Byron Redwine	Baylor College of Medicine

Family Practice Resident 0

Douglas Bald	University of California at Los Angeles
Wayne Leon Callen	University of Colorado Medical Center
Claude Leslie Conway	University of Colorado Medical Center
James Clack Haley	Temple University School of Medicine
Michael Elvin Kelly	Tulane University School of Medicine
Stuart Bayliss Levy	University of Cincinnati
James Walter Ley	University of Colorado Medical Center
Mark Jeffrey Tager	Duke Medical School

Straight Medicine Interns

Thomas Carl Anderson	University of Illinois
Linda Dole Backup	University of Washington
Daniel Joshua Cutler	Duke University Medical School
Jeffrey Dinsdale Davis	University of Wisconsin
Gary E. Goodman	University of Illinois
John Timothy Hanlon	University of Oregon Medical School
Eric Sproat Heaney	University of Wisconsin
Larry Allen Heinonen	University of Oregon Medical School
John Richard Howard, Jr.	University of Southern California
Kirk Douglas Jacobson	University of Oregon Medical School
John Walter Jendrzewski	University of Oregon Medical School
Donald Philip Olson	University of California at Davis
Douglas Bergan Peterson	Harvard Medical School
Alfred Sakradse	Cornell University Medical College

Pediatric Resident 0

Thomas Kent Geraci	University of Cincinnati
Gerald Dock Sung Ching	Columbia University
John William Liedel	Ohio State University
Mark David Tolpin	University of Chicago

Rotating 2 Interns (emphasis on surgery)

Stephen Clayton Axthelm	University of Utah Medical School
John Rogers Braddock	University of Oregon Medical School
Donald Claude Brown	University of North Carolina
Gilbert Carl Child	University of Oklahoma
Douglas Paul Covey	Baylor College of Medicine

Robert Eric Fleer	University of Oregon Medical School
Lee Davis Hall	University of Oregon Medical School
Roger William Hood	Loyola-Stritch School of Medicine
Richard Harold Howe	Yale University
James Harden Howell, III	University of North Carolina
Murray Douglas Joe	University of Nebraska
David Lee Lark	Northwestern University
Gregory Byron Lorts	University of Oregon Medical School
Richard James Mullins	Tufts University of Medical Medicine
Joseph Kenneth Murphy, Jr.	University of Kentucky
James Douglass Reinsch	University of California at Davis
Charles Phillip Schneider	University of Oregon Medical School
Marc Joel Sorkin	University of Nebraska
Ray Gregory Stangeland	Case Western Reserve
Amos Willie Stoll	University of Oklahoma
Edward Houston Temple	Baylor College of Medicine
Wayne David Weissman	University of Iowa College of Medicine
Richard Kurtis Wampler	Indiana University
Roger Allen Wicklund	University of Wisconsin

Unit admitted 639 for care last year

The neonatal intensive care unit has released the following statistics from its admittance records:

Conveyances	No. of babies admitted 6-1-72 through 4-30-74(*)
NICU van	299
UOMS nursery	168
ambulance	56
National Guard helicopter	52(**)
private conveyance	42
fixed wing aircraft	22
TOTAL ADMISSIONS	639
TOTAL EXPIRED	117
TOTAL RELEASED	522
(to parents, private hospitals, other UOMS hospital wards, etc.)	

- (*) Covers entire period that Perinatal Emergency Transport System has been in operation.
 (**) Excludes eight perinatal patients also transported during this period to UOMS by National Guard helicopter.

Project evaluates length of stays

CONSERVE, a new program for reviewing the length of patients' hospital stays, began at the Medical School hospitals in May.

CONSERVE stands for Concurrent On-Site Evaluation and Review Effort. It was instigated by the Multnomah Foundation for Medical Care as an in-hospital concurrent peer review for Portland area policyholders of certain health insurance carriers. The program will serve as a prototype for PSRO methods.

Relatively few patients admitted to the Medical School hospitals will be under carriers served by the CONSERVE program; however, these few will give both the Multnomah Foundation for Medical Care and the UOMS hospitals and their physicians valuable experience before review of all Medicare and Medicaid in-patients is required.

Mrs. Pat Cox will be the nurse coordinator assigned by CONSERVE to the Medical School Hospital and University Hospital North. She will review the patient's chart within a day or two after admission and assign a certified length of stay based on the Professional Activity Study 50th percentile stay for the Western United States.

Multiple diagnoses are taken into account in length of stay determinations. The certified length of stay is recorded on a certificate which is attached to the patient's chart.

Usually 48 hours prior to expiration of the initial certification, the nurse coordinator re-reviews the patient's chart. Based upon this review she may extend certification or seek additional information from the physician when required.

If she is still unable to find sufficient medical reasons to extend certification, she refers the matter to a physician advisor. The physician advisor then reviews all available data and consults with the attending physician.

If the physician advisor decides that further stay is medically unjustified, he signs a termination of certification. Only physician advisors may terminate CONSERVE certification.

Termination of certification is not an order to discharge the patient from the hospital; it merely informs all parties, the attending physician, the patient, the hospital, and the third party carrier, that CONSERVE is medically unable to justify the patient's continued stay in the hospital.

Appeals of CONSERVE terminations may be initiated by the attending physician, the patient, or the hospital.



Mrs. Ida C. Dubach, of Portland, visited the maternity ward in May. Mrs. Dubach recently donated a substantial sum to the Medical School for perinatology. With her is Development Director Paul Weiser.



CDRC Director Dr. Victor Menashe, far right, points out affiliated agencies on a large map of Oregon to a group of Texans who recently toured the Center.

Just 15 minutes old, little "Billy" the goat was one of the four new May arrivals in the heart research laboratory of the department of cardiology.

Billy, who is held by Lab Aide Sandy Henry in the photo above, is one of twin offspring born to research goats Jenny and Fortunatus. Dr. Dharam Dhindsa, research associate, aided in the birth.

The lab uses pregnant goats for heart research, so Billy and his brother may be kept for breeding purposes. They are currently being bottle-fed and raised by the Ben Bender family of Scappoose.

IN A RECENT REPORT to the Governor, State Affirmative Action Coordinator Kenneth Johnson singled out the Medical School and School of Nursing as being "stars" in affirmative action.

UOMS-UOSN lead all other state supported schools in the proportion of women employed who earn more than \$12,000 a year — a total of 95, or 52.8 per cent. The schools are second in the hiring of minorities, which total 218, or 11.8 per cent of the campus work force.



NEWSMAKERS

Medical problems encountered by mountain climbers and backpackers at high altitudes were discussed recently at a public seminar in Corvallis by Dr. Sonia Buist, assistant professor of medicine. Dr. Buist spoke on "High Altitude Pulmonary Medical Problems."

Dr. Charles N. Holman, dean of the Medical School, has announced his resignation, after 26 years, from Blue Cross of Oregon's board of directors.

Speaking on "Ophthalmology Tips for the Practitioner," Dr. Robert Burns, associate professor of ophthalmology, participated in the recent continuing education program sponsored by the Clackamas County Medical Society and Willamette Falls Community Hospital in cooperation with UOMS.

Michaelle Ann Robinson, psychiatric nursing instructor, spoke at a "Stress on Moms" program at the offices of the Marion County Extension Service in April. The program was designed to help mothers of young children learn to cope with their feelings and responsibilities.

Guest speaker at a symposium sponsored by the Washington County Council on Child Abuse in May at Pacific University was Dr. Peggy Ferry, associate professor of pediatrics and assistant professor of neurology. Dr. Ferry is author of "Child Abuse 1974: A Continuing Medical-Legal Challenge," which was published in the *Oregon State Bar Association Bulletin*.

Dr. Rodney K. Beals, professor of orthopedics, participated in a recent symposium in Tualatin on "The Pre-Surgical Back Problem."

Dr. Ralph C. Benson, Jr., who interned at the Medical School from 1967-68, has been awarded first place in the Mead Johnson Excellence of Research Awards presented as part of the Fifteenth National Student Research Forum at the University of Texas Medical Branch, Galveston. Dr. Benson's research concerned "Immunoreactive Forms of Circulating Parathyroid Hormone in Primary and Ectopic Hyperparathyroidism." Dr. Benson is the son of Dr. Ralph C. Benson, professor and chairman of the UOMS department of obstetrics and gynecology.

Dr. Joseph Trainer, professor of medicine and associate professor of physiology, conducted two workshop sessions at a five-day seminar on human sexuality at Southern Oregon College June 10-14.



ACS cites Dr. West as 50 year member

Dr. Edward S. West, professor emeritus of biochemistry, was honored by the Portland section of the American Chemical Society at their May, 1974, meeting with a pin in recognition of his 50 years as a member of ACS.

Dr. West taught at the Medical School from 1934 to 1966, serving as professor of biochemistry and chairman of the department.

He is currently assistant to the director of the Oregon Regional Primate Research Center.

The ACS meeting was held at Parkers Landing on the Columbia River near Camas, Washington. After Dr. West was awarded the pin, he addressed the group's 72 members (photo above), mentioning "Virginia White Lightning" to the delight of his audience.



Drs. Coleman and Anderson help a youngster learn to identify a drawing of an object she knows in CDRC's language development class.



A child at the verb center is asked "What is it that flies?"

Experience is best teacher in language development class

For many retarded children and their parents, communication means little more than grunts and gestures and repeated, often unsuccessful attempts to understand and be understood.

Life becomes increasingly frustrating and saddening for these parents. For their children, the inability to communicate through spoken language closes the door to other avenues of development and adjustment to normal society.

At CDRC, a new experimental class in language development is underway. Participating in the special class are eight youngsters with language difficulties. They are between the ages of four and seven and suffer from various types of developmental delays or mild retardation.

Co-directors of the program are Dr. Daryl Anderson, assistant professor of speech pathology, CCD, and Dr. Ralph Coleman, associate professor of speech pathology, CCD and training director in speech pathology, University-Affiliated Facility.

Children who are enrolled in the eight-week class have "minimal discrepancy between their receptive and expressive language skills," according to Dr. Coleman. In other words, their abilities to speak and to understand what is spoken to them are about equal.

The language development classroom includes four, separated areas known as the noun center, verb center, adjective center, and preposition center. Each center is manned by a teacher who has helped design the strategies used in teaching that particular element of language. Dr. Anderson and Dr. Coleman are teachers at one of the centers. Eight trainees also participate in class activities.

The children move, two at a time, from center to center, staying 10 minutes at each station. Toys, household objects, paper cut-outs, drawings, and bowls of water are among the objects found at the four centers.

At the adjective center, for example, a set of colored cut-out squares of different sizes might be placed before the child. The child must then correctly respond, by pointing, to the questions, "Which is small, big, bigger, and biggest?" Then other sets of objects of various sizes are substituted, and the questions repeated. Or the child may be asked to dip his fingers in two bowls of water to help him learn the concepts of hot and cold.

At the verb center, a youngster sits at a table before a toy frog, a little airplane, a rope, and a cup. He must respond, again by pointing, to the questions, "Which thing hops?" "What thing flies?" "Which thing do you drink from?"

At the preposition center, the child may be instructed to "put the ball *in* the cup," "*on* the cup," "*behind* the cup," or "*under* the cup." Then the ball and cup will be substituted by a toy chair and box. Or the teacher may instruct the child himself to sit

on, under or behind the table. Substitutions are made to insure that the child understands the concept in as many contexts as possible.

"In experimental programs that have been tried previously, children have learned rote responses," explained Dr. Anderson. "But often they don't understand what something means even after they have been taught to say it."

"For example, they may learn the word 'pencil,' and in the classroom, they might appear to have successfully mastered the word in relation to the real pencil. But outside the classroom, they may point to a tree and say 'pencil.'"

"We are trying to make the word meaningful to the child through a variety of experiences at his level of understanding," Dr. Anderson continued. "As words

become more meaningful, they will come into the child's vocabulary."

Dr. Coleman added, "In class, the main emphasis is not on getting verbal responses from the children. They are only asked to point, place objects, and act out answers. But we expect that if the child really begins to grasp the concept behind the word, he will naturally start to use it correctly in spoken language."

"Although several children in the program have already made visible progress, we are waiting until the class is over to make any formal evaluation," continued Dr. Coleman. "The project is still in the experimental stage. We will analyze and restructure it for next year's class."

In addition to Drs. Coleman and Anderson, teachers in the language development program are Christie Barkost, M.Sp.A., classroom teacher; and Gail Maddock, M.Sp.A., and Colleen Colleary, M.S., both speech pathology fellows.

THE KIDS IN EDMONDS, WASHINGTON, better start playing house rather than doctor. Otherwise, local patients may be in trouble.

Here are some of the responses to a first-aid quiz given by one grammar school teacher to her fourth-grade pupils. Their answers were forthright, their prescriptions imaginative.

"For fainting: Rub the person's chest. If it is a lady, rub her arm above the head."

"For head colds: Use an agonizer to spray the nose until it drops in the throat."

"For asphyxiation: Apply artificial respiration until the victim is dead."

Dr. Swan addresses Elks

Dr. Kenneth Swan, professor and chairman of the department of ophthalmology, addressed the Elks Association of Oregon May 18 in Seaside, Oregon.

The Elks' Vision for the Future Program has supported the Elks' Children's Eye Clinic at the Medical School for 25 years. Their contributions to the Clinic and State Blind School have amounted to almost a million dollars.

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University of Oregon Medical School
3181 S. W. Sam Jackson Park Road
Portland, Oregon 97201

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