

Dr. Nielsen Honored

OU's internationally recognized physicist, Dr. J. Rud Nielsen, was honored by his former students at a luncheon Feb. 27. More than half of those who received Ph.D.'s while studying under Dr. Nielsen were present to pay tribute to the 70-year-old professor, who will retire in June after 40 distinguished years on the OU faculty. An authority on molecular spectroscopy, Dr. Nielsen's research and writings have been studied throughout the world, and he is the recipient of many honors—among them the University's highest award, the Distinguished Service Citation (in 1962). A 1919 graduate of the University of Copenhagen in his native Denmark, Dr. Nielsen was a close friend and protégé of the late Niels Bohr, famed Nobel Prize winner in physics. Before coming to the United States, Dr. Nielsen studied with Bohr at his Institute for Theoretical Physics in Copenhagen. In this country he received a Ph.D. at Caltech and taught for a year in California before joining the OU faculty in 1924.

The Nielsen luncheon came at the conclusion of a three-day meeting of the American Physical Society held at the OCCE. Many of the physicist's former students and colleagues were prominent at the sessions. Dr. Nielsen, nine other faculty members, a staff member and 18 graduate students presented papers. Twenty former students and faculty members also were among the 232 authors and co-authors of papers listed on the program.

A Look in a Dark Corner

A dark corner of college life too often ignored by too many has received some attention of late. Whether anything will be done about it by individual institutions remains to be seen. The subject is cheating, and two recent occurrences have combined to bring it into public view. One is the Air Force Academy scandal, the other disclosure of a national survey on cheating conducted

at Columbia University. The survey revealed that the amount of academic dishonesty in college is grossly underestimated by the students (5,422), student body presidents (500) and deans (600) who took part in the survey; that only a small proportion of those who cheat are caught and punished; that schools with honor systems are less apt to have a high level of cheating than those with other arrangements; that elements of school quality are associated with low levels of cheating; that state universities have the highest incidence of cheating; that colleges with fraternities and sororities tend to have a higher incidence of cheating; that at least half of the students (in 99 colleges and universities) questioned have engaged in some form of academic dishonesty in college (and this was termed a conservative estimate); that those who value social aspects of college life are more apt to cheat than those who emphasize intellectual interests and activities; that the important thing was that one's fellow students disapprove of cheating.

Cheating is widespread at OU in the opinion of several professors and students questioned. "So many of these kids crib like mad," said one. "I've become bitter and disillusioned about it over the years." Many students, of course, are concerned and disturbed by the prevalence of cheating. Finding a cure is not like finding a four-leaf clover; there must be a moral and intellectual base, an atmosphere of honor where integrity is valued as greatly as a grade. Said Beth Resler, editor of the *Oklahoma Daily*, in a recent editorial: "People have gasped at this new scandal (at the Air Force Academy). The honor code of the military academies is well known, and outsiders are horrified to learn it is being violated. But we see no reason why the military academies should be judged on a standard different from that for any university, including the University of Oklahoma. Cheating exists on this campus, on all campuses, just as much, or perhaps more than at the

military schools. And yet the standards of vigilance and the punishment at non-military schools are neither as strict nor as sweeping as those at the academies. The argument is raised that, 'Well, they are training the future leaders of the country.' The military schools are not training future leaders any more than any other university. The only difference is in the field of training, and the obligations of ethics are equally strong no matter what the field. A double standard of judgment exists. We are not asking that the values of the military schools be lowered to those of other schools. We are asking that the standards of other schools—at OU—both of the administration and of the students be raised. A code of ethics is not the sole property of military schools."

Bold New Venture

In event of a natural disaster—earthquake, tornado, flood, fire—or a man-made catastrophe—war, civil strife—how will a society react? What effect on morale could impairment of utilities and communication have? What are the effects of rumor when similar situations exist? A detailed study is being conducted at OU in the areas of the impact of disaster on social systems—how civilizations, from small primitive tribes to large complex cities, are affected by the stresses of natural and man-made disasters. The attack has been one of gathering all possible information relative to certain disaster situations then making a thorough qualitative analysis of this information and finally, developing an adaptive computer program to attempt to predict the occurrences that actually took place. The investigation is one of the programs underway in a bold new venture called the Systems Research Center, which was formally created at the University a year ago. SRC director is Dr. Jim Palmer, also director of the School of Electrical Engineering, who describes the new plan as one which will bridge the gaps be-

Continued on page 4

SOME NEW-LOOK LABORATORIES FOR DEBARR

An organic chemistry laboratory and two biochemistry labs in DeBarr Hall (the chemistry building) have been remodeled through a matching grant from the NSF. Daubed in flashy shades of flamingo pink and princess blue and fitted with new equipment, the labs present a startling contrast to the dingy, ill-equipped facilities which,

unfortunately, are still in use in DeBarr. One such Jekyll-and-Hyde combination is pictured below. The redecorated organic laboratory (right) is adjacent to a room which is sorely in need of a facelift. The difference is apparent. Said one student (an expert on labs and resting places), "It's like going from a hammock to a king-size bed."



We dug and refilled a 4000-mile trench to protect 9300 communications circuits against disaster

We split the continent with a trench four feet deep to give the United States its first blast-resistant coast-to-coast underground communications cable system.

More than four years ago when the first of 2500 giant reels of coaxial cable started unrolling in New York State, we began an important project that will give added protection to the nation's vital communications.

Today, 9300 circuits—available for voice, data, teletypewriter, telephoto—are included on this route. It stretches across 19 states and has 950 buried reinforced concrete repeater (or amplifying) stations.

Spotted strategically along the route about 50 feet below ground level are 11 manned test centers. Also of reinforced concrete, they have automatic air filtration and ventilation and living quarters stocked with emergency food and water.

This vital transcontinental link will serve the needs of government agencies, businesses and individuals.

This is a job that needed the Bell System's unified research, manufacturing and operating capabilities. It is another implementation of a basic Bell System policy: "In communications, the defense of the nation comes first."



Bell System

American Telephone and Telegraph Co.
and Associated Companies



university news continued

tween departmental research and where interdepartmental research can be done "unfettered by the academic chains that bind." The SRC was organized to provide an environment of creative objectivity and independence for research in interrelated areas involving systems analysis. It brings together scientists from a number of disciplines "to study nature as it is—in its entirety, not just its specialized areas," says Dr. Richard Terry, associate director. The SRC is located in the new Engineering Center and will be home base for geologists, anthropologists, engineers, psychologists, physicists, mathematicians and authorities in government, economics and geography who are engaged in phases of systems-related research. Studies are now being made in the fields of molecular electronic systems, biological engineering, biophysics, adaptive control systems, and, as mentioned before, social systems. Dr. Palmer estimates the SRC's present contract value at somewhere between a quarter and a half-million dollars. At present some 20 faculty members and graduate students are actively working in phases of systems research. "As the scope of the Center grows," says Dr. Palmer, "we hope other academic disciplines within the University will take part in systems studies." Current and projected activities involve the use of the Merrick Computer Center and

its high-speed OSAGE computer in simulating systems in varying degrees of complexity.

Shorts

A record enrollment of 15,280 students for the spring semester has been announced by the University. This represents a 15 percent increase over last spring's previous record. The 1964 fall enrollment (15,802) also was a record. . . In their February meeting the regents revised the policy on football bowl games. In the past the decision has been left to the coach and team; now the regents will approve or disapprove bowls on a recommendation from the president. . . The regents also gave final approval to an agreement which makes ROTC voluntary and authorized a new optional 2-year ROTC program toward a commission for all three services. The traditional 4-year program still stands. . . In other action the regents approved requirement of a bachelor's degree for admission to law school and the degree Juris Doctor as the sole first law degree (replacing the Bachelor of Law degree). . . Over 600 specially designed new drapes have been hung in the Towers dorm and the South Base apartments. A basic white with red, blue and green contrasts, they feature drawings of familiar campus buildings. Similar ones are planned for Cross, Cate

and Wilson centers. . . Under the leadership of Dr. Richard Andree, chairman of the math department, more than \$30,000 worth of books have been sent to small high schools throughout the Southwest. Donated by alumni, faculty and friends, books have also been given to small colleges and to elementary schools in underprivileged areas. . . Of the seven books (all published by university presses) reviewed in the March 8 issue of *Sports Illustrated*, four are from the OU Press. . . Dr. Carlton W. Berenda, professor of philosophy, has written a new book, *World Visions and the Image of Man* (Vantage Press), which will be released soon. . . John O'Neil, director of the School of Art, and James Henkle, associate professor of art, were award winners at the 1965 All-Oklahoma Exhibition at the Oklahoma Art Center in Oklahoma City in January. . . 210 students scored 4-points for the fall semester. . . The Union sells 2,500 cups of coffee a day, 4,500 on cold days and football Saturdays. . . Sculptor Joseph Taylor, David Ross Boyd professor of art, is in Rome, recovering from an attack of acute hepatitis he contracted in Germany during a year's sabbatical. . . Six Saturday institutes for science and math teachers in

PHOTO CREDITS

2—Larry McDade; 4—McDade; 5—Norman Transcript; 6-7, 8, 9, 10—McDade; 11—McDade, Jo Spivey; 12—McDade; 13—Henry Klippell, McDade; 17—Klippell, McDade, John Yack; 18, 20—Hugh Morgan; 22, 24—McDade.



MODEL UN MEETS AT OU

More than 500 students, 100 of them from 20 other colleges and universities, participated in OU's sixth annual Model United Nations, held at the OCCE Feb. 11-13. Delegations representing the 113 member nations in General Assembly sessions voted to admit China to membership, censured the Union of South Africa for its racial policies, failed to agree on a solution to the question of payment of peace-keeping costs and called for withdrawal of non-indigenous troops from Cambodia, Laos, North and South Vietnam. Members of each delegation were asked to make themselves familiar with their nation's foreign policy, governmental structure and history so they could represent accurately their country's viewpoint. The sessions, which met in the Forum Building, were filled with committee meetings, caucuses, speeches, a spirited demonstration by anti-Castro Cubans.





Spectators' emotions range from anger through anxiety and apprehension to amusement as Coach Tommy Evans instructs referee Terry McCann during a—you guessed it—Sooner-Aggie wrestling match at OU. Evans, a peaceable man not in the least demonstra-

...tive, came to the end of his rope after a last-second McCann call gave the 147-pound match to the Stillwater lad. To be fair, the call stank. The Sooners lost the match but hopes are high for the national tourney where Evans has consistently wrought miracles.

computer science, matrix algebra, modern geometry and astronomy are being held at OU for secondary school teachers and college and junior college instructors. Each teacher may bring one high school or college student. It's sponsored by the NSF and staffed by OU faculty. . . Two campus church groups will build a joint campus youth center. The Christian and Presbyterian church groups will share the center which will be located just south of the campus at Wilson and Elm. . . Dr. Howard Hanson, Pulitzer Prize-winning composer, conductor and long-time director of the Eastman School of Music, spoke here in February in conjunction with the Phi Beta Kappa visiting scholar program and the School of Music composers' symposium. . . Another visiting lecturer was Dr. L. L. Marton, inventor of the electron microscope. . . Greek news: The Delta Gamma's are remodeling their house and have moved into a Cate Center dorm. . . The SAE's are in their new house. . . The Zeta Tau Alpha's will leave the campus at the end of the semester. . . The old Kappa Sigma house at 731 Asp, built in 1916, is being razed to make way for a commercial structure.

Sports

Basketball—The Sooners finished 8-17 for the season with a conference mark of 3-11 which captured the cellar. Among the bright spots was James Gatewood's steady performance throughout the year which earned him All Big Eight honors. The senior forward led the team in scoring, was first in rebounding, was consistent on defense. In the wait-until-next-year department, help is on the way for '65-'66. Junior Bill Whitlock, the second leading scorer, will return to be joined by talent from a strong freshman team which will contribute

two Dallas, Tex. stars, Don Sidle, 6-7, and Willie Rogers, 6-3 guard. The two smoothies set new freshman scoring marks of 20.6 per game and shot 48 and 54 percent, respectively, from the field. Terry Due (14.7), a silky frosh guard from Duncan, will play plenty, also. The Big Red won't cause so many red faces next year, and it's conceivable they could grow into a contender for the conference crown.

Swimming—Thank goodness for the swimming team. Like last year, it's the only OU aggregation to win a conference championship. The swimmers did it this year with a victory over host and runner-up Iowa State, 117-106, at the Big Eight meet at Ames. They did it with a sophomore 10-man squad which included no divers. It was the eleventh straight for the Sooners and the third in a row under coach Jay Markley. "They all swam over their heads," said Markley, with no pun intended. "They're a fine group and we couldn't have done without any of them." Team stand-outs Jim Manring, Tulsa soph, and Jack Hove, Kansas City soph, will be joined by a strong freshman team for next year's action.

Track—After a fifth place tie in the Big Eight indoor meet in Kansas City, Coach J. D. Martin's squad is anticipating a better performance in the outdoor season which begins Mar. 27. Four varsity track men competed in the NCAA and National Federation indoor meets on March 12-13 and March 15. They were Lee Calhoun, Big Eight 600-yard indoor champ; his brother Bill, a leading quarter-miler who was disqualified in the conference meet for a lane infraction; Jim Farrell, loop pole vault champ, and sprinter James Jackson, a footballer who set a Big Eight record for the 60-yard dash at the K. C. meet with 6.0

time. All but Farrell, a junior, are sophomores.

Wrestling—After finishing with a 14-3 dual mark the Sooners took third in the Big Eight meet behind the nation's top two teams, OSU and Iowa State. The squad will now head for the NCAA championships, where Coach Tommy Evans' teams have never finished worse than second and hold two national championships in his fine five years. The Big Red should receive good performances from team leaders Bill Lam (157), Dickie Haxel (147) and Roger Mickish (177) as well as from transfer Greg Ruth (167), an Olympian, and national champ Mike Sager (137). The Sooners are weak in the lower and higher weights, however, and Evans and his youngsters will be hard pressed to pull off another one of their miracles.

Shorts—Golf Coach Bob James has resigned to manage the OU golf course full time and has been replaced by Bud Cronin, also the freshman basketball coach. . . The OU baseball team, rebuilding after graduation and the loss of four eligibles through, yes, professional contracts, opened their season with two losses to Texas at Austin. By conference time and warm weather, Coach Jack Baer's bunch could be contending. . . Coach Jerry Keen begins his first year as tennis coach with a rough dual schedule and an uncoachlike utterance: "We could win the Big Eight title."

IN THE APRIL issue of the Sooner News-Makers: an account of the new Engineering Center and Engineers Week, the announcement of the 1965 recipients of OU's Distinguished Service Citation, Alumni Development Fund allocations, a report on spring sports, and other alumni news.