

We point with pride to Dean White and Dr. Andree

Dr. Thurman J. White will present a series of lectures this fall as a Fellow of Rewley House at Oxford University, England. Dr. White, dean of the Extension Division and College of Continuing Education, will lecture on continuing education Sept. 26-Nov. 10. His theme will be "Education for All America."

"I also hope to visit six or eight other universities in the British Isles looking for what they regard as innovations in higher education in England, and I hope to arrange for

some exchange of English specialists," says Dr. White. "We'll probably see more of this kind of informal exchange as the International Education Act, which is now in Congress, is developed." The half dozen lectures White will deliver during his stay at Oxford will be published later by Rewley House.

Dr. White, who was named to a four-year term on the International Committee for the Advancement of Adult Education in 1963, will be visiting Oxford for the third time. He attended conferences there in the fall of 1965 and the spring of 1966. "This trip will be a family project," he says. "My wife Corrine will map the travel routes, our daughter Sue Ann will visit the British Museum to work on her master's thesis on art history, and our son Charles will study Latin."



DEAN THURMAN J. WHITE



DR. RICHARD V. ANDREE

For his outstanding services in the promotion of scholarly activity in mathematics Dr. Richard V. Andree, professor of mathematics, has received the C. C. MacDuffee Award from Pi Mu Epsilon, national honorary mathematics fraternity. Dr. Andree is the second recipient of the award, which was established in 1955 and is given no more than once every 10 years. It is named for the late C. C. MacDuffee, a mathematics professor at the University of Wisconsin who served as Pi Mu Epsilon president from 1948 to 1954. MacDuffee also was Dr. Andree's major professor at Wisconsin. The award was presented at the annual summer meeting of the combined mathematics associations and societies held in early September at Rutgers University.

Dr. Andree, the peripatetic chairman of the department of mathematics and astronomy, is the author of numerous books and magazine articles. He has been especially active in developing programs for high school mathematics students and their teachers. In 1949 he inaugurated the Okla-

homa high school diagnostic achievement test in mathematics. In 1955-56 he taught at Haverford College, Haverford, Pa., where he worked on a revision of the undergraduate mathematics program on a Carnegie Foundation Grant. He has received several National Science Foundation grants for his work, has conducted special courses in computer work on the high school level, and has lectured throughout the United States as well as in Canada, Mexico, and India.

He founded Mu Alpha Theta mathematics organization for high school and junior college students in 1957 and has served as national secretary-treasurer of Pi Mu Epsilon since 1953. Dr. Andree attended Jackson High School and Jackson Junior College in Jackson, Mich., before going to the University of Chicago where he received the master of science degree in 1945 and the doctor of philosophy degree in 1949 from the University of Wisconsin. His areas of specialization are linear algebra and matrices, digital computer programming, matrices, and fields and rings.

The Alumni Development Fund in Action

On the fourth floor of the mammoth new Engineering Center, which rests majestically on the southeast corner of Boyd and Asp like an ocean liner docked at her pier, in one of the rooms off the antiseptic corridor sits a very capable piece of equipment. It's an ultrasonic grinder, and it cost in the neighborhood of a good new car—about \$3,000. Alumni contributions made this valuable apparatus available to the School of Electrical Engineering, and the small bands of tape at the top of one of the two parts of the equipment proclaims that graduates and former graduates purchased the grinder through the Alumni Development Fund.

To the graduate who majored in English lit or history or education or law, the machine may look like any other complicated thingamajig that one would expect to find in an engineering laboratory, and he would be right—up to a point. An ultrasonic grinder is a part of the better electrical engineering research facilities, and the College of Engineering was eager to have one. Funds

through state appropriations simply were not there, however, and the man who felt the need for the grinder most keenly, a young assistant engineering professor from Blooming Grove, Tex. (near Avalon and Barry) named Dr. C. (for Clovis) R. Haden turned to the ADF for the money to buy the machine.

Dr. Haden had worked with such a machine at the University of Texas, where he received his PhD, and he knew its importance in research. His request, along with scores of others from departments and schools in every college on the campus, eventually found its way to the board of directors of the ADF, composed of alumni members and faculty members who evaluate each request and try to find the funds for those needs they think most critical. Sometimes the choices are agonizingly difficult, for the money for many of the special projects and equipment must come from the unrestricted donations, the flexible contribu-

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Your ADF

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tions which can be pin-pointed where the most pressing needs are, and there is never enough for all the requests, almost all of which are seriously needed.

Dr. Haden's request explained that the grinder "would be used in 'cutting' or grinding semiconductor and other materials into other simple or complex geometrical forms . . . and is important because . . . of its usefulness in solid state research in electrical engineering, and second because of its interdisciplinary uses. Other schools and departments—physics, mechanical and chemical engineering, even biology—will be able to use the instrument. "Finally," said Dr. Haden, "the ultrasonic grinder would be very useful in cutting samples for undergraduate laboratories. An example of this is the Hall 'bars' used in obtaining mobility and resistivity data on semiconductors . . . The results which might be achieved through its use are limited only by the ingenuity and tenacity of the researchers using it. The machine's use in undergraduate instruction alone justifies its purchase."

Dr. Haden's case impressed the ADF board, and he received his money. (The alumni members always have the final say.) But the people who gave the money should feel most responsible for enhancing the engineering facilities and helping to improve the education of the state's future engineers. Take a bow, contributors. You may even want to ride the elevator up to the fourth floor of the Engineering Center and see your money at work. *END*

The '56 Team

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It was really something to watch that team. One pollster was so impressed, he named the first, second, and third Sooner units as the top three teams in the country and even put the freshman team somewhere in the top ten. Jerry Tubbs, Tommy McDonald, Bill Krisher, and Ed Gray made All-America, and most everyone who saw them think Jimmy Harris, Clendon Thomas, and Bill Pricer should have.

There were others who shone. Jay O'Neal spent three years as the alternate quarterback to Harris. He could have started for any other team. Tom Emerson was terrific at opening up holes over right tackle, and Tubbs had a pretty fair corner backing him up named Bob Harrison.

Team and individual records almost completely rewrote Harold Keith's statistic columns. The '56ers still have the highest rushing average per game of 391 yards; the most yards accumulated on intercepted passes in one season, 423 (78 came on a return by Tubbs against Iowa State); most points scored in a regular season, 466, the highest scoring average per game, 46.6, and the highest scoring average per Big Seven Conference game, 48.6. The Sooners scored 70 touchdowns, also a school record, as is 4,817 the most yards rushing and passing in one season, and 6,049 total yards (rushing, passing, interceptions, punt and kickoff runbacks).

Of course, the team, in the meantime, was

helping establish a number of national records, including consecutive victories and consecutive games scored in. Amazingly enough, McDonald, Thomas, et al, scored 50 percent of the time they controlled the ball.

Individually, McDonald, the Albuquerque, N.M. flash, became OU's most versatile football player for one season, gaining 1,515 total yards—853 rushing, 149 running back punts, 95 on kickoff runbacks, 282 on pass receiving, and 136 intercepting passes. He caught 12 passes for 4 touchdowns and threw for 11 straight completions, another OU record. McDonald was a unanimous All-America

and received the Maxwell Memorial Award and *Sporting News Award* as the nation's best player. He is still bouncing up from hard tackles as an all-pro flanker with the Los Angeles Rams and currently is among the leading pass receivers in the NFL.

Thomas, on his way that year to setting new career rushing and scoring records, also is still playing professional football as a defensive back with the Pittsburgh Steelers. Tubbs, 1956 Lineman of the Year and recipient of the Walter Camp Trophy as Player of the Year, is currently a linebacker with the Dallas Cowboys (and chairman of the OU ADF campaign in Dallas).

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