

The Zoolog

Annual News Letter of the O. U. Zoology Department, Prepared Especially for Zoology Alumni

THIS volume of the *Zoolog* commemorates the first year of the second decade of this publication. It has been more than a simple Christmas letter, for it comprises a history of changes and accomplishments on the part of the staff, students and former students of the Department of Zoology of the University of Oklahoma. The number of students has increased to such an extent that we now realize the desirability of welding our group into the greater group that makes up the Alumni Association of the University. The editor of *Sooner Magazine* is co-operating with us by publishing the material which corresponds to the body of the *Zoolog* of previous years as an article in the Magazine. We hope that this new policy increases the allegiance of our group to the Alumni Association and also calls the attention of the larger group to the work of this division.

Staff

The staff is the same this year as last except for one mutation. Dr. Virgil O. Johnson (Ph. D., '40), artist-technician of the department for a number of years, left November 10 to assume duties with the United States Army at Fort Douglas, Utah. A first lieutenant, he is serving as assistant schools officer. His leave of absence is for a year. Taking his place temporarily is Mrs. Eliza T. Shockley, formerly technician at Duke University and the North Carolina Medical School.

Graduate Students

Numerous changes are to be seen in the graduate student personnel. Translocations affected students receiving the master's degree last year. Howard P. Hinde is now a graduate assistant in the Osborn Zoological Laboratory at Yale, and Robert E. Kuntz, has an assistantship at the University of Michigan. Theodore J. Walker is attending the University of Wisconsin. All are taking work leading to the degree of Doctor of Philosophy. New students have come to fill these places. Kearney R. Adams (A. B., Berea College, Kentucky, 1940) is a graduate assistant, H. Gordon Hanson (B. A., University of Minnesota, 1940) is the museum assistant, and Aloha Hannah (B. A. Montana State University, 1939) is a University scholar. Crossing over the threshold from undergraduate to graduate status in O. U. are Nicolo Austin (B. A., '40), graduate assistant; Lilyan Clayton (B. A., '40), research fellow; and John W. Saunders (B. S., '40), special fellow. Edwin Rogers and Ruth Irby continue as graduate assistants from last year, and Elmo Bonifield and Elizabeth Trent remain custodian and secretary, respectively. However, Mr. Rogers was away for the summer to serve as instructor in biology at Cornell College, Iowa. J. H. Johnson (B. A., '39) and Katie B. Gay (M. S., '26) are also graduate students this year. Anna B. Fisher, on leave of absence from Northwestern College at Alva this year, is a zoology minor. She is working toward the Ph. D. with a major in botany.

Maxwell Power (M. S., '38) and Thomas Baskett (M. S., '39) are continuing their graduate work. Power is a graduate assistant at Yale University; Baskett occupies a corresponding position at Iowa State College.

There is evidence of "independent assortment" in the distribution of pre-medical students of last year to medical schools throughout the country, Phil Fife, Al Newberry, Kenneth Kinsey, Stanley Meeks, Bill Thompson, Tom Anderson (B. S., '40), James Alexander (B. S., '40), Eugene Arrandell, Harold Conn, Jim Tagge and Bob Holt are all beginning work in the University of Oklahoma Medical School. Jack A. Smith, Charles Tefertiller and A. M. Brixey, now in their second year there, received their bachelor's degrees last June. Clifton Govan (B. A., '40) is at Johns Hopkins Medical School, as is Fred Aurin (B. S., '38). Govan is a first year student; Aurin is in his junior year. Doyle Ferguson (B. S., '40) is in Baylor at Dallas, Ben Gorrell is at Tulane, Worth Gross is at Northwestern, and Francis and Safety First are at Tennessee. Kenneth Bohan (B. S., '40), a student here this semester, and Charles Coates (B. S., '40) will enter Tennessee in February.

Teachers

Graduates of last year who are now engaged in teaching are John Mark Walker, who is at Jonesboro, Arkansas, and Leon Wall at Talihina. Wall was in summer school doing graduate work. Elaine Walker (B. S., '39), a graduate student last year, is teacher of science in the Blackwell High School. Mildred Pool (M. S., '40) is in Wynnewood. Fred Sawhill (B. S., '40) is attending St. Louis University; Sidney Kaplan (B. S., '40) is a student in N. Y. U. Betty Klingle-smith (B. S., '40) is serving as technician in St. Anthony's Hospital, Oklahoma City, where she is working toward certification as a medical technologist. Of interest to alumni of the department is the fact that James Richards received two degrees at the June commencement—Bachelor of Arts and the Bachelor of Science in Chemical Engineering. He is now employed by the Gulf Oil Corporation and is in Seminole.

Summer Activities

During the summer school marked "deficiencies" were noted in the faculty as Dr. Weese was again a member of the teaching staff of the Rocky Mountain Biological Laboratory at Gothic, Colorado; and Dr. Bragg was professor of biology at New Mexico Normal University at Las Vegas. Students from the department who were at Gothic are Kay Beck, Minnie Jean Matthews and Wayne Randel. Drs. Richards, Ortenburger, Young and Self remained here for the summer session, but at the end of that time there was complete "fragmentation." Dr. Richards spent some time in Colorado at Evergreen attending the Music Conference of the Episcopal Church. He was later joined by Mrs. Richards in Boulder, where they spent two weeks. Dr. Young visited Yale, New York City and other points of interest in New England. The Ortenburgers were at La Jolla and Long Beach, California, during August, and the Selfs went to Texas. Dr. Johnson spent several weeks at Woods Hole at the Marine Biological Laboratory doing work in experimental embryology. He returned to Oklahoma to spend two weeks with the army at Fort Sill. Mrs. Jeffs traveled through the mid-

west, making visits to Des Moines and Grinnell, Iowa, and St. Joseph, Missouri.

Distinctions

During the past year Dr. Weese has continued to serve as president of the Grasslands Research Foundation and as Chairman of the Grasslands Division of the National Research Council. Dr. Ortenburger was re-elected national secretary of Phi Sigma at the National Convention which was held in conjunction with the meetings of the A. A. A. S. at Columbus, Ohio. Both he and Miss Elaine Walker, chapter president last year, attended. Dr. Young is vice-president of the University of Oklahoma chapter of Sigma Xi.

Numerous honors were bestowed upon students of the department last year. Betty Klingle-smith was the recipient of one of the three Letzeiser awards for women last June; Bill Kite, Phil Fife and Stanley Meeks were representatives of the department in the President's Class; Ruth Irby became a member of Phi Beta Kappa; Minnie Jean Matthews was a member of the Junior Women's Honor Class; and John W. Saunders was awarded the Phi Sigma scholarship medal for the year 1939-1940.

Army Service

The appearance of a new variation has been noted. It is inferred that this character is sex-linked, since it has appeared only among the males. Not only did it make its appearance in the case of Dr. Johnson, but Clarence Cain, summer school graduate student and teacher at Kingfisher in recent years, and John W. Foster (B. S., '40), all of whom have been called to serve on active army duty with the National Guard for a year. David Hammack (M. S., '38) is with the Chemical Warfare Service, and John Harms (M. S., '38) has taken his place in the junior college at Hobart as instructor in biology. Clarence Yoesting, here the past summer for graduate work, has resigned his teaching position at Loyal to accept an appointment with the United States Civil Service. He is in Washington, D. C.

Rare Phenomenon

"Linkage" seems to be a rare phenomenon this year. The marriage of Miss Joanne Joy, former student in applied biology, to Dr. Mason R. Lyons, alumnus of the department and the University Medical School and at present interne at the Roseland Hospital, Chicago, on November 16 has been announced. After July, they will make their home in Tulsa.

Three instances of "duplication" were recorded. Charles Clinton Smith, Jr., arrived November 19 in Monroe, Louisiana, where his father (Ph. D., '39), research associate of the Oklahoma Biological Survey last year, is instructor in biology in the Northeast Division of the Louisiana State University. Dr. and Mrs. George H. Mickey announce the arrival of Don Davis on February 6. Dr. Mickey (M. S., '30) is with the Department of Zoology of L. S. U. at Baton Rouge. Dr. Frank T. Joyce (B. A., '33, M. D., '36) has established practice in Enid as a member of the Enid Clinic after four years with the Iowa State Hospital. He and Mrs. Joyce are the parents of Alice Catherine, born April 6 in Iowa City.

Audubon H. Neff, graduate student when on leave of absence from Southwestern several years ago, passed away on June 10.

Professional Societies

An important factor for the development of scientific attitude and spirit is Phi Sigma. Under the guidance of Marcelotte Leake, president; Minnie Jean Matthews, vice-president; Dorothy Rainwater, secretary; and Elmo Bonifield, treasurer, this organization has entered into another year of successful work. The spring initiates were taken as guests to the meeting of the Oklahoma Academy of Science held May 3-4 at Camp Scott near Locust Grove, and a banquet was held in the Woodruff Room of the Union Building on November 22 in honor of the fall initiates. Dr. S. W. Geiser of the Department of Biology of Southern Methodist University was guest speaker. Spring initiates: Kay Beck, Hazel Carver, Frances DeVorss, Phil Fife, Tilman Johnson, Stanley Meeks, Al Newberry, Edwin Rogers, Bill Thompson, Elizabeth Trent. Fall initiates: Norma Jeanne Brown, Thomas McCoy, Francis Hollingsworth, Mary Catherine Fitter, Wayne Randel, Margaret Alice Tribble, Mary Lynn Westervelt, Frances Cummings, Anna B. Fisher, Herbert Taylor, Maurice Winston, Felton Nease, Gordon Buffington, Emil Stratton, E. E. Dale, Jr., Julian Marie Riddle, Mrs. Kenneth M. Richter.

The Sixth Biennial Convention of Alpha Epsilon Delta was held in Norman last March 21-23 with the Oklahoma Alpha chapter as hosts. National officers Dr. Charles F. Poe, Dr. Kenneth P. Stevens, Dr. Maurice L. Moore, Dr. Warren H. Steinbach and Dr. Emmett B. Carmichael were present, and delegates from twenty-four chapters and eighteen states answered the roll call. The spring initiation ceremonies were conducted by Dr. Poe, and zoology major students among the initiates were William C. Woodward, James Clopton, Kenneth Bohan and Robert Dixon. This fall the organization has maintained its policy of having prominent physicians speak at the regular meetings. Officers are Stanley Childers, president; Francis Hollingsworth, vice-president; Ray Johnson, secretary; Gibson Parrish, treasurer; and Nello Brown, historian. Recently Thomas McCoy, Norman Evans and Marvin Childress, zoology majors, were among those initiated. A banquet was held in their honor December 12, and Dr. William Longmire (B. A., '34), graduate of Johns Hopkins Medical School in 1938, was the speaker. Dr. Longmire has recently established an office in Sapulpa.

Five of the initiates of the University of Oklahoma chapter of Sigma Xi last April 9 were members of the Department of Zoology. Virgil O. Johnson was elected to full membership, and Ruth Irby, John Saunders, Theodore Walker and Elaine Walker were made associate members. Following the initiation banquet, Dr. James Franck of the University of Chicago lectured on "The Transformation of Light Energy into Chemical Energy."

The fall meeting of the Oklahoma Academy of Science was held in Norman this year December 6 and 7. Papers by Dr. Bragg, Dr. Charles Smith, Robert Kuntz and Bruce Crozier represented the contributions of the department to the sectional meetings.

Enrolment

Courses in zoology showed a total enrolment of 945 students during the year 1939-1940, including the summer school of 1940. There are 478 students enrolled in zoology courses at present, and there are 130 major students, twelve of whom are graduate students and thirty-three are students in the School of Applied Biology. Progress has been made toward the organization of the group of Applied Biology students this fall. A tea for the faculty and students of the school was held November 12, and following it Mrs. Ida Lucille Wallace of the University School of Medicine addressed the group.

Survey

The work of the Oklahoma Biological Survey was carried on during the past year by Dr. Charles C. Smith, research associate, with the aid of Dr. A. N. Bragg. Together they made

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an intensive study of the Anura in Oklahoma, with special reference to the genera *Bufo* and *Scaphiopus*. Other projects were ecological and distributional studies on insects, especially *Orthoptera*, a study of the food and parasites of rabbits of the floodplain south of Norman, and a study of the food of the principal species of *Bufo*. Dr. Smith traveled approximately five thousand miles in connection with field work in Oklahoma, and he visited all but a few counties in the state.

Large numbers of specimens were added to the collections of *Anura* and *Orthoptera* in the Museum of Zoology, as well as many specimens of other groups of the animal kingdom. Also the Museum was able to obtain last February from the Wichita Wildlife Refuge another bison which will some day be mounted and become a part of a buffalo habitat group. Plans are being made for a wild turkey group as another exhibit, and three specimens of these birds will be secured shortly from the Wichitas.

The department is proud to announce its possession of a new car, an eight-passenger GMC Suburban, bright red in color, which was purchased this fall. As an aid in conducting field investigation and regular course work in ecology this needed addition to the equipment will prove invaluable.

Research

As is usual, various research projects are being carried on in the laboratory. Dr. Ortenburger has a paper on the fishes of Oklahoma almost ready for publication, he is also carrying on investigations on the preparation of corrosion specimens, using plastics for injections and is making a study of the anterior sinuses of the shark by means of Latex injection. Dr. Young is continuing her work on *Blepharisma*, Dr. Self is preparing a paper dealing with the interphase in the embryonic cells of *Gambusia affinis affinis*, and Dr. Bragg's studies on the habits and ecological relations of Anura are progressing in a highly satisfactory fashion.

Several of the graduate students also have investigations under way. Ruth Irby is making a comparative study of the male germinal cells in *Pardalophora sausseri* and *Hippiscus* sp. Lilyan Clayton is investigating the histological changes occurring during the hibernation of certain species of *Scaphiopus*. Edwin Rogers' interest lies in the comparison of the cytology of *Scaphiopus bombifrons* and *Scaphiopus couchii*. Chromosome structure in the cells of the guinea pig is being investigated by John Saunders, and Nicolò Austin is making a study of the cytological evidences of differentiation in the zebra fish, *Brachydanio rerio*.

Published contributions from the laboratory for the last year are as follows:

Baskett, Thomas S. 1940. The distribution of meadow larks in Oklahoma. Proc. Okla. Acad. Sci. 20.

Bragg, Arthur N. 1940. Observations on the ecology and natural history of Anura. I. Habits, habitat and breeding of *Bufo cognatus* Say. Amer. Nat. 74: pp. 322-349; 424-438. II. Habits, habitat and breeding of *Bufo woodhousii woodhousii* (Girard) in Oklahoma. Amer. Midland Nat. 24 (2). III. The ecological distribution of Anura in Cleveland County, Oklahoma, including notes on the habits of several species. Amer. Midland Nat. 24 (2). V. The process of hatching in several species. Proc. Okla. Acad. Sci. 20. VI. The ecological importance of the study of the habits of animals as illustrated by toads. The Wasmann Collector 4 (1).

— 1940. Dwarf *Bufo americanus americanus* from Cleveland County, Oklahoma. Proc. Okla. Acad. Sci. 20.

— and Robert E. Kuntz. 1940. *Bufo compactilis* Wiegmann, a new toad for Oklahoma. Proc. Okla. Acad. Sci. 20.

Carpenter, J. Richard. 1940. The grassland biome. Ecol. Monographs 10: 617-684.

Richards, A. 1940. Pre-professional training. Bios 11 (2).

— 1940. Book Review of Arthur William Meyer: *The Rise of Embryology*. Stanford

University Press. Review published in Bios 11 (3).

— 1940. Book Review of R. W. Gerard: *Unresting Cells*. Harper and Brothers. Review published in Bios 11 (4).

Richter, Kenneth M. 1940. A study of the cytoplasmic structures in the male germinal cells of several species of *Notonecta*, with special reference to the Golgi system. Journ. Morph. 67 (3).

Saunders, John W. 1940. Organized forms of chromatin. Biologist 22 (1).

Self, J. Teague. 1940. Notes on the sex cycle of *Gambusia affinis affinis* and on its habits and relations to mosquito control. Amer. Midland Nat. 23 (2).

Smith, Charles C. 1940. Biotic and physiographic succession in abandoned, eroded farm land. Ecol. Monographs 10.

— 1940. *Acrididae* in central Oklahoma. Proc. Okla. Acad. Sci. 20.

— 1940. The effect of overgrazing and erosion upon the biota of the mixed-grass prairie of Oklahoma. Ecology 21 (3).

— 1940. Notes on methods found useful in studying the ecology of the prairie. Proc. Okla. Acad. Sci. 20.

— 1940. Notes on the food and parasites of the rabbits of a lowland area. Jour. Wildlife Management 4 (4).

— and Gerald Acker. 1940. A collection of reptiles from Logan County, Oklahoma. Proc. Okla. Acad. Sci. 20.

Trent, Elizabeth. 1940. Book Review of C. H. Waddington: *Organizers and Genes*. The MacMillan Company. Review published in Bios 11 (4).

Outstanding

It is interesting to note how many of the former students of the department have achieved places of prominence in their fields, irrespective of whether that field is teaching medicine, research or applied biology. There are nearly thirty alumni now teaching in universities, colleges and junior colleges throughout the nation; medical alumni are to be found engaged in private practice or connected with important hospitals in almost every state; others hold research appointments, or civil service appointments with various federal and state agencies. A partial list of these is as follows:

Dr. Frank G. Brooks (M. A., '22), Sc. D., Johns Hopkins, 1928. Professor of biology, Cornell College, Mount Vernon, Iowa. He has also been for several years the national secretary of Beta Beta Beta.

Dr. C. L. Furrow (M. A., '22), Ph. D., Iowa, 1935. Recently appointed Clara A. Abbott professor of biology at Knox College, Galesburg, Illinois.

Dr. Dixie Young (M. A., '22), Ph. D., Yale, 1937. Associate professor of zoology, University of Oklahoma.

Dr. Harold Hulpieu (M. A., '24), Ph. D., Johns Hopkins, 1928. Department of pharmacology, Indiana University Medical School, Indianapolis.

Dr. Alfred Brauer (M. A., '26), Ph. D., Chicago, 1934. Professor of zoology, University of Kentucky, Lexington.

Dr. Harold Hefley (Ph. D., '35), Department of Biology, Texas Technological College, Lubbock, Texas.

Dr. E. D. Crabb (M. A., '23), Ph. D., Michigan, 1927. Professor of zoology, University of Colorado, Boulder.

Dr. Joseph Goldsmith (M. S., '27), Ph. D., Wisconsin, Department of Histology and Embryology of the University of Oklahoma School of Medicine.

Dr. Mary Jane Brown (Ph. D., '29), Department of Biology, University of Wyoming, Laramie, Wyoming.

William Bayliff (M. S., '29). Professor of zoology, St. John's College, Annapolis, Maryland.

Dr. Ethel Derrick (Ph. D., '35). Department of Biology, Central State Teachers College, Edmond.

Dr. Roy W. Jones (Ph. D., '37). Head of Department of Biology, dean of college, Central

State Teachers College, Edmond, Oklahoma. He has recently been elected president of the Oklahoma Academy of Science for the coming year.

Dr. G. Olin Rulon (M. S., '32), Ph. D., Chicago, 1935. Department of Biology, Wayne University, Detroit, Michigan.

Dr. Arthur N. Bragg (Ph. D., '37). Instructor in zoology, University of Oklahoma.

Dr. Fred Barkley (B. A., '30), an undergraduate major in zoology who later received the Ph. D. degree in botany, is at Montana State University. He is vice-chancellor of Phi Sigma.

George A. Moore (M. S., '30). Department of Biology, Oklahoma A. and M. College, Stillwater, Oklahoma.

Ray Porter (M. S., '30). Dean of the junior college at El Reno, Oklahoma.

Herbert E. Warfel (B. S., '31). Biologist, New Hampshire Fish and Game Department, and assistant professor of zoology at the University of New Hampshire.

Dr. Charles H. Mellish (M. S., '34), Ph. D., Wisconsin, 1937. Lakeside Laboratories, Milwaukee, Wisconsin, in charge of all biological work.

Dr. George H. Mickey (M. S., '34), Ph. D., Texas, 1939. Department of Zoology and Entomology, Louisiana State University, Baton Rouge.

Dr. J. Richard Carpenter (Ph. D., '39), Rhodes Scholar, 1935-38. Professor of biology and registrar, Black Mountain College, North Carolina.

Dr. Charles C. Smith (Ph. D., '39). Instructor in biology, Northeast Division of L. S. U., Monroe, Louisiana.

Dr. Kenneth M. Richter (Ph. D., '29). Research fellow, University of Oklahoma School of Medicine.

Dr. Hubert W. Frings (M. S., '37), Ph. D., Minnesota, 1940. Department of Biology, Monnett Junior College, Missouri.

Dr. D. S. Pankratz, M. D., Chicago, 1938, who was an undergraduate major in zoology, is on the staff of the Department of Histology and Embryology at the University of Tennessee Medical School.

A. H. Trowbridge (M. S., '34) is with the Fish and Wildlife Service of the U. S. Department of Agriculture in Tucson, Arizona. Dr. Minnie S. Trowbridge (Ph. D., '39) continues as junior scientific aid in the bureau of Animal Industry in Washington, D. C.

Dr. J. Teague Self (Ph. D., '36). Assistant professor of zoology, University of Oklahoma.

Dr. Kenneth Duff (B. S., '35), M. D., Baylor, 1939. Resident physician, Mercy Children's Hospital, Kansas City.

Dr. Rowan E. Fisher (B. A., '35), M. D., Baylor, 1939. Resident surgeon, Baylor University Hospital, Dallas, Texas.

Dr. William P. Longmire (B. A., '34), M. D., Johns Hopkins, 1938. Practicing physician, Sapulpa, Oklahoma.

Dr. Robert A. Knight (B. A., '35, M. D., '38). Fellow in orthopedic surgery, Campbell's Clinic.

Dr. Mark Ravitch (B. A., '30). Resident physician, Johns Hopkins Hospital, Baltimore, Maryland.

Wilton M. Fisher (M. S., '37). Instructor, Department of Bacteriology, Hygiene and Preventive Medicine, Baylor University College of Medicine and part-time student working toward the M. D. degree. Mrs. Fisher is the former Helen Joe Talley (M. S., '37), secretary of the department 1932-39.

Frank Hedges (M. S., '36). U. S. Soil Conservation Service, Las Cruces, New Mexico.

Paul Phillips (M. S., '35). Land planning work with the U. S. Department of Agriculture, Window Rock, Arizona.

Nuhfer, Pat (B. A., '32). Lakeside Laboratories, Milwaukee, Wisconsin.

Publications

Recent publications of alumni of the Department of Zoology:

Bayliff, William H. 1940. Hermaphroditism in an adult bullfrog *Rana catesbeiana* Shaw. Trans. Amer. Micro. Soc. 59 (2).

Crabb, Edward D. and Margaret A. Kelsall. 1940. Organization of the mucosa and lym-

phatic structures in the rabbit appendix. Jour. Morph. 67 (2).

Mellish, Charles H., A. J. Baer and A. C. Macias. 1940. Experiments on the biological properties of stilbestrol and stilbestryl dipropionate. Endocrinology 26 (2).

Mickey, George H. 1939. The influence of low temperature on the frequency of trans-locations produced by X-rays in *Drosophila melanogaster*. Genetica 21 (5-6).

Moore, George A. and John D. Mizelle. 1939. A fall survey of the fishes of the Stillwater creek drainage system. Proc. Okla. Acad. Sci. 19.

_____ and Chester Hughes. 1939. A new Plethodontid from Eastern Oklahoma. Amer. Midland Nat 22 (3)

Ravitch, Mark M. 1940. The blood bank of the Johns Hopkins Hospital. Journ. of the Amer. Med. Association 115: 171-178.

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Business-Man Governor

(CONTINUED FROM PAGE 9)

himself. He likes to work sixteen hours a day and does not understand people who do not like to work at least half that long.

His best friends and closest advisors are classed as hard-headed realists. He expects them to say little and do much. Those who have been unfortunate enough to go off on tangents not to his liking have found themselves publicly spanked.

The governor, on the other hand, perhaps does not have the same conception about the status of a university faculty member that most faculty members have.

For instance, the governor was critical of faculty members who recently participated in a state conference for governmental liberties. College men and women in every state in the country have no doubt been active in such organizations throughout the history of education. The governor's first reaction was that they should be spending their time "teaching school" instead of defending civil liberties. He commented that in his opinion professors were hired to teach students in classrooms and not to go about the state organizing groups to take leadership in matters about which controversy raged.

University faculty members, on the other hand, are more likely to be interested in the principles involved in a situation, or the possibilities of improving the social order, than in the practical problem of making the present business setup run smoothly and show a profit.

The true scholar—and the true University—are interested in the truth for the truth's sake.

It's a fundamental difference in viewpoint between scholar and practical politician—a difference that should be recognized but not deplored, since each has an entirely different job to do.

It is probably noteworthy that the governor's criticisms of the University were most numerous early in the administration. In the last year he has visited the

campus many times, he has spoken at meetings of various state groups in session at the University, and he has expressed a deep interest in the future of the institution and its possibilities for serving the state.

While Mr. Phillips left the selection of President W. B. Bizzell's successor to the members of the Board of Regents, it is certain that the choice of Joseph A. Brandt, Sooner alumnus now director of the Princeton University Press, to be the next president of the University of Oklahoma was entirely satisfactory to the governor.

At the Capitol, the Phillips administration has ushered in an era of unprecedented sobriety and industry. Working hours have been extended in most departments. There is comparatively little loafing, and patronage abuses have been curtailed to a minimum.

The cost of state government has been reduced about seven million dollars per year and the budget would have been practically balanced had not oil production fallen and with it, the gross production and income tax revenue. Mr. Phillips is determined to balance the budget for the second biennium of his administration, and this effort will be the keynote of the legislative session starting this month.

Some of Mr. Phillips' stormiest battles have been with the national administration. Originally he was opposed to a third term for President Roosevelt, but dropped the issue when it appeared the state was swinging overwhelmingly for Mr. Roosevelt. He has fought a bitter legal battle against the Red River Dam project, which he sincerely believes is economically unsound.

Governor Phillips now faces his most trying period—the second Legislature and the last two years of his administration. New candidates for governor will begin sprouting soon and a new campaign will be just around the corner. The Legislature won't be entirely happy over the problem of cutting expenditures and raising taxes.

But the governor has sounded a call for public support in his effort to balance the budget, and indications are that he has a fair prospect of success.

All in all, the state's first O. U.-alumnus governor is doing an outstanding job of trying to run the state on a sound basis. The business men of Oklahoma will have a difficult time trying to find another governor who so nearly expresses their conception of what an administration should be.

Governor Phillips is an attorney by profession, a trial-court lawyer in ability to sway listeners, but a business-man in his viewpoint and sympathies. He puts it this way: The business men of the middle class pay the bills of government—they are the backbone of the country—so why shouldn't the state government show them some consideration?

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