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CAMPUS NOTES

FIRST OHIO STATE WELDING CONFERENCE

FEBRUARY 25 and 26 an exhibition was held at Ohio State University which was unique in the history of the campus. A welding conference of more than twenty-five manufacturers of welding equipment was held in the Industrial Engineering Building. The latest developments and the newest types of welding machines and equipment were shown. It is estimated that more than five hundred engineers attended the conference. One of the novel exhibits there was a demonstration of thermit welding, a type of welding very different from electric and gas welding. It employs the heat of reaction of finely divided aluminum and iron oxide. Welds on extremely heavy stock are very successful with this kind of welding. Although this is the first show of its kind at Ohio State, it is hoped that another one will be held next year since welding is becoming more important every year in manufacturing.

ENGINEERS IN ATHLETICS

ENGINEERS have been active in varsity sports despite heavy schedules, the past year. A list of them show the following:

Football—Samuel Drakulich, John Fugitt, Eugene Kile, Richard Smith and Victor Tanski.

Reserves—Walter Bruckman, George Khufman, Luke Mulhan, John Strick.

Soccer—Leonard S. Fortune, Henry Tumsden.

Cross Country—Clarence Nicholson, John Preotle, John Pecsok, John Shapter.

Swimming—Henry Galmish, Jack Cron, Edgar Latham, Charles Rowlings.

Polo—George Stafford.

Gym Team—Robert Briggs, Mordaunt Coons, Harry Green, Ralph Stone.

Wrestling—Douglas Sterner, Clyde Tiffany.

Fencing—Joseph Craig, Gordon De Hond, John Sandfort.

Track—Robert Derry, Ralston Russel.

Basketball—Ralston Russel.

Baseball—Philip Gutter.

Tennis—Carl Dennison, Fred Holock, Willard James.

Golf—Timothy Armstrong.

JOHN YOUNGER ("The Chief") of the Department of Industrial Engineering has substituted I. E. 706 for I. E. 703 and I. E. 705.

The new course—Waste Elimination, including Standardization, Simplification, Inspection and Salvaging—will be given Monday, Tuesday, Wednesday, Thursday, at 10 o'clock. Following the custom of past years, one

hour a week will be devoted to consideration of current topics as taken from technical magazines.

PROFESSORS ATTEND CONFERENCE ON BITUMINOUS COAL

PROFESSOR H. E. NOLD, Chairman of the Department of Mine Engineering and Director of the School of Mines, Ohio State University, was in attendance at the Third International Conference on Bituminous Coal in Pittsburgh. On the program were leading technologists and industrial leaders of this country and Europe.

Professor Dana J. Demorest, Chairman of the Department of Metallurgy, was on the program leading the discussion on Coal Carbonization Problems with Professor H. L. Olin, formerly assistant to Professor C. W. Foulk of the Chemistry Department, Ohio State University.

Mr. A. C. Fieldner, a graduate of the Chemical Engineering Department at Ohio State University and Chief Engineer of Experiment Stations, U. S. Bureau of Mines, Washington, D. C., was on the program in connection with chemical and physical tests of coal in relation to coking properties and by-product yields.

The papers presented at this meeting were by Professor Dr. Hans G. Grimm, of the I. G. Farbenindustrie A. G., Ludwigshafen Rhein, Germany, on "Recent Progress in the Refinement of Coal and Oil"; Dr. Friedrich Bergius, of Heidelberg, Germany, on "Early History of Hydrogenation"; Dr. Gustav Egloff, of the Universal Oil Products Company, Chicago, on "The Simultaneous Cracking, Carbonization and Gasification of Coal and Oils"; Professor A. Gillet, of the University of Liege, Belgium, on "The Dispersion of Coal in a Liquid Medium."

OHIO STATE AERONAUTICAL SOCIETY

THE Ohio State Aeronautical Society, this year, is inaugurating an entirely new policy—the organization of a ground course at the University. The policy heretofore has been to secure for the University students a full flying course without any preliminary "leading up to the plan" tactics. The society made the mistake of failing to realize that to accomplish such an enormous step, it is necessary to get the interest and full cooperation of the student body. No matter how enthusiastic the workers in this scheme may be, no such plan could possibly succeed without their full support.

Several years ago, the society attempted to gain the support of the alumni members of the University in purchasing an airplane for the use of the members of the flying club to be organized at the University. The plan was not a success. Although the same plan had shown considerable success in other colleges and universities, it

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was apparent that the aviation interest at Ohio State had not reached a point for active progress.

We believe that this interest has reached such a point now, and that active steps in the organization of the long-dreamed-of flying club should be taken. This time, however, a more "roundabout" method will be used. The first logical step is the organization of a ground school course—a course that will teach the rudiments of flying and at the same time will be within the reach of all students.

At the last meeting of the society, a committee was named to prepare a plan of procedure for organizing this course. The plan, as drawn up by the members of the committee, is as follows: first to arrange a lecture course involving the accredited principles of the United States Department of Commerce. The lecture course will be given two nights a week, two hours each night, including classroom work, and laboratory practice. A textbook similar to the one used by the Curtiss-Wright Schools, will be used.

The second step in the plan is to secure a competent instructor, one who is licensed as a ground-school instructor by the government. If possible, a University instructor will be asked to take charge of the course in the hope that in the future lecture credit for the course may be obtained from the University. In using an accredited textbook and placing the whole course under the direction of a licensed instructor, it is possible that a type certificate can be secured from the Department of Commerce.

After a course in primary work has been successfully carried out and the interest of the students has been secured, steps toward the formation of an active flying club can be taken. An attempt will be made to arrange for instruction in the air with the actual possession of a club airplane in view. Several large universities have organized similar clubs, and it is only a matter of time till "Collegiate Flying" will be a factor in national aviation.

It is our most earnest hope and aim that some day in the near future, Ohio State will rank among the highest

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of "those who have succeeded." With the cooperation of those hundreds of students who want to feel the wings of flight and to those who will some day make flying their business, we extend this invitation, the Ohio State Aeronautical Society's membership is open to all who will cooperate with us toward this end.

The following are members of the Ohio State Aeronautical Society: Mortimer W. Lawrence, president; P. D. Lawrence, vice president; R. K. Culler, M. B. Ogle, G. J. Lawrence, L. D. Woodford, C. N. Schmidt, Lawrence Young, H. C. Babcox, Arthur Young, R. B. Senseman, John Fridley, Paul Willour, A. Clayton Tschantz.

TAU BETA PI

TAU BETA PI, at a meeting held at the Village on February 24, amended their by-laws covering the admission of students who had taken work at other schools and then transferred to Ohio State. Heretofore it had been practically impossible for a transferring engineering student to be elected to Tau Beta Pi because of the fact that "K" credit only was allowed for subjects taken at other schools. It is now possible for them to have an equal chance for the privilege of membership under the new provisions of the amendment.

On March 7, 1932, Tau Beta Pi members demonstrated what the well-dressed engineer wears, at a formal dance given at the Scioto Country Club. A large crowd was present, and everyone left sober and happy after an enjoyable evening.

GLIDER CLUB

THIS has been a rather quiet quarter for the glider club with very little actual flying done because of the unusually damp weather. The club boasts a membership of fourteen, and preparations are being made for the members to take their third-class pilot's license for gliders which will be given by a Department of Commerce Inspector some time this spring.

Ed Monroe, M. E. '33, member of the glider club, has been taking flying instruction since the first of the year out at Clickenger airport in a Waco-10 airplane. Because of the experience he has obtained from his glider training, Ed was able to solo after only six hours of dual instruction, whereas the average person requires eight to ten hours with the instructor before being permitted to fly alone. Glider training is regarded by the leading pilots of the country as the best method of preparing to learn the piloting of powered planes, not only because of its benefits, but it makes the instruction less hazardous and far less expensive than if no glider training were received. Anyone interested in the glider club should get in touch with Dave Force.

A.S.M.E.

THE members of the A.S.M.E. at their regular meeting Friday, February 26, made nominations for officers for the spring quarter, and were treated to a

three-reel film showing the manufacture of automobile frames at the A. L. Smith Co. at Milwaukee, Wisconsin. This plant, costing over \$8,000,000, turns out 10,000 frames per day. Practically every operation is done by machinery; some of the processes are almost human in the manner in which they are carried out. The film was exceedingly interesting and enjoyed by 100 visitors to the meeting.

FACULTY NOTES

PROFESSOR C. E. SHERMAN attended the twenty-first annual convention of the National Drainage, Conservation and Flood Control Congress held at Louisville, February 17, 18, and 19, as a member of the State Water Conservation Board. Other members of the Board attending were Mr. T. S. Brindle, C.E., O.S.U. 1906, and David C. Warner, secretary of the Board. Brindle is director of State Public Works for Ohio. Other University people attending the convention were Dr. Wilbur Stout, state geologist, Professor C. C. Huntington from the College of Commerce and Administration, and Professor Overholt of the Department of Agricultural Engineering.

Professor Sherman and Mr. Brindle are also members of the Board on State Parks, created last summer at the time the State Water Conservation Board was organized. Some of the state parks of Indiana which offer novel features were visited by the convention.

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