LIE DETECTOR
--- new feature of psychology laboratory—Story on page 3

APRIL • 1944
When a photographer shoots a photograph—that isn't news but when someone else shoots a photograph of the photographer that is news and since this is essentially a newspaper we give you this month (and with great pride) our new staff photographer, and one of our favorite people, Bro. Louis A. Saletel.

“Doc” has been doing the art for the Alumnus for a long, long time but good, don’t you agree? Despite his heavy schedule he has willingly and unfailingly coddled ye Ed’s whims and fancies as to what would or would not make good magazine art. For his generous help and boundless good nature we offer sincere thanks.

Bro. Saletel is head of the department and professor of Geology. He got his B.S. from Dayton in ’24 and his Ph.D. from the University of Fribourg, Switzerland in ’36. His interest in photography transcends the mere flashing of his handy Speed-Graphic. He has done considerable research into the field of photography and maintains his own dark room and complete developing equipment. He organized and is moderator of the University Camera Club which numbers nearly a score of students.

Front Cover: Helen Richards, junior arts student from Dayton, smiles confidently as she volunteers for a lie detector test administered by Prof. Jerome H. Gibson. The lie detector is the newest piece of laboratory equipment in the department of psychology.
Lie Detector Is Installed Here

The Psychometer, more popularly known as the "lie detector," is the psychology lab's newest and most valuable piece of equipment. Manufactured by the Maico company of Minneapolis, the Psychometer is a non-recording type of lie detector. Its reaction is motivated through electrodes held in the palm of the hand which pick up changes in skin resistance (sweat glands) and indicate these changes by the extent of the swing of the galvanometer needle.

The basic principle of the Psychometer, as with any lie detector, is the interpretation of the marked changes which take place in the internal organs (respiratory, circulatory, glandular, etc.) when the emotions are aroused. The degree of emotional reaction and mental activity may be accurately measured.

Lie detectors, which are figuring more and more prominently for personnel testing, employee relations and in criminology, have loomed large in the public eye only within the past ten years. Their present commercial value is an outgrowth of early academic experimentation.

Best known of all lie detectors, and the one most commonly thought of when the subject arises, is the Polygraph which has been used successfully in innumerable criminal cases. The Polygraph, based on the same principle as the Psychometer, is a recording type machine which indicates its findings in a permanent manner by means of a stylus which records in ink on a continuous graph. Changes in the respiratory system are picked up by a pneumograph (a tube filled with air and strapped across the chest); changes in the circulatory system are ascertained by a sphygmograph (the same device doctors use for taking a patient's blood pressure); changes in the glandular system, which, incidentally, are the most delicate reactions to measure, are picked up through the electrode method. All three reactions are inked in simultaneously on the graph.

A recording type machine of the latter nature is on order but will be unavailable until after the war.

The Psychometer is being used for laboratory experiments in Psychology I and II; for demonstrations in other

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Hilltop Happenings

CONVENTIONS AND CONFERENCES—Father John A. Elbert attended the National Catholic Education Association convention in Atlantic City, N. J. While there he also attended a special meeting of the national Catholic honor society, Delta Epsilon Sigma . . . Father George J. Renneker, registrar, attended the convention of the National Association of Collegiate Registrars in Chicago . . . Sister Raphael and Sister Hilda of the home economics department attended the meeting of the Ohio Home Economics association in Columbus. Also in Columbus for meetings were Dr. K. C. Schraut and Mr. C. G. Peckham of the mathematics department, for the Ohio Section of the Mathematics Association of America, and Mr. James Manfredini, political science instructor, for the Social Science section meeting of the Ohio College Association . . . Betty Mayl, publicity director, will attend the American College Publicity Association's annual national convention in Chicago, May 3-6 . . . Six student delegates attended the regional conference of the National Federation of Catholic College Students (NFCCS) at Our Lady of Cincinnati college. Allan Braun, sophomore engineering student, was elected president of the Cincinnati-Dayton region.

FINALES—The annual Mathematics club dinner meeting was held at the Wishing Well Inn. Brother William Bellmer, head of the mathematics, was guest speaker at the final meeting. Jim Schuler, brother of Jack '42 and Ted ex '44, won the annual dean of science award for the best talk of the semester before the club. Dr. Schraut, faculty adviser, was recently elected to membership in the Ohio Academy of Science . . . Sigma Delta Pi, the pre-med society, held their annual picnic at Edelweiss park. Alumni on hand for the festivities included Wally Rugh, Mary Margaret Wack, George Thoma, Mildred Wharmby, Mark Fecher, Bob Millonig and "Inky" Reagan . . . The Women's Athletic association held their final banquet in the university guest dining hall . . . Betty Thomas, who received the first bachelor of music degree to be conferred by the University, gave her graduating recital in the music room April 20. She is a pupil of Dr. Louis Waldemar Sprague. The spring concert of the women's chorus and dance group, directed by Mrs. Troy Sears, was presented April 18. A program of traditional, gypsy and modern music and dancing was given . . . Advancement in academic standing was announced for Brother Vincent Wottle to associate professor of the department of chemistry, and Dr. Edward Huth, associate professor of sociology. Advanced to assistant professors were Father Charles Collins, of the psychology department; Brother George Nagel, history; and Mr. Cyril Peckham, mathematics. These changes become effective with the fall semester in September.

EXTRA-CURRICULAR—Herbert Nonneman, graduate of the first class in law at the university in 1926, vice-president of the Ohio Safety Council and the Dayton Safety Council, and Mr. Leslie Diehl, secretary of the Dayton Safety Council, spoke to the student body on the Green Cross campaign for safety . . . Lt. Shirley Barton of the WAC recruiting office also spoke at a recent student assembly . . . Brother Tom Price, associate professor of the English department, was one of the judges of the debating contest at Chaminade high school . . . Father Elbert was one of the judges of the essay contest sponsored by the St. Vincent De Paul society . . . Journalism award winners, announced by Brother George Kohles, include Kay Kunka, senior associate editor and columnist, awarded a gold key; George Igel, editor; Ada Kay Bomford, news editor; Eleanor Becker, copy editor, and Jean Wright, artist, received silver keys. Margaret Dierken received a bronze key.
472 Alumni Contribute $2250.70 in 1943 Membership Campaign—New High

Final figure for the 1943 alumni fund was $2250.70. This amount was received from alumni through dues and special gifts. There were 472 contributors with an average contribution of $4.77.

Names of alumni enrolling in the association up to December 12, 1943 were carried in the Nov.-Dec. Alumni News. Following are the persons who enrolled since that time.

DUES PAYMENTS—1943

A
Lt. Thos. R. Armstrong, Cincinnati

B
Jacob C. Baker, Barberton, O.
Edwin G. Becker, Cincinnati
Edwin G. Becker, Jr., Cincinnati
John J. Brennan, Lima, O.

C
John R. Connelly, Dayton

D
G. Richard Gottschalk, Syracuse

H
James E. Hall, Dayton
James J. Hartnett, Dayton—$5
Samuel Hipa, Honolulu—$6

K
Ens. Lawrence F. Knorr, New Orleans
Geo. A. Kramer, Dayton—$5

L
Lt. Paul E. Lienesch, Dayton
Rodney M. Love, Dayton

M
Lt. Torrence Makley, Dayton—$5
J. Ellis Mayl, Dayton
Lt. Col. Robt. McClear, Detroit
Joseph J. MoShane, Bellerose, N. Y.
Capt. Norman Miller, Oklahoma City—$5
Capt. Richard Miller, Tampa, Fla.—$5

N
Fred T. Neumann, Pittsburgh

O
Lt. Bernice E. O'Brien, Dayton

P
Robt. C. Payne, Cincinnati—$5
Lt. Col. James Polley, Cleveland—$5

Q
Frank Quatman, Galion, O.

R
Maj. B. J. Reilly, Dayton—$5

S
J. W. Salm, Coldwater, O.
Blaz Y. Scott, Dayton
Frank L. Suter, Dayton—$5

U
Michael J. Usas, Ft. Knox

W
Lt. Robert G. Waltz, APO, New York
John J. Werst, Louisville—$5

ESMWT Staff Now Occupying New Offices

Jerome H. Gibson, coordinator for the Dayton area and Bro. Austin Holian, assistant to Bro. M. E. Haas, institutional representative of the Engineering, Science, Management War training (ESMWT) program, have moved into new, central offices, formerly occupied by the alumni secretary and the publicity director. The latter offices have been moved into the adjoining outer room formerly occupied by NYA workers for the two offices in St. Mary hall.

Mary Shea '44, will serve as office secretary under the new ESMWT arrangement.

Gibson has announced that the Dayton area, for which he serves as coordinator, including Ohio State, Antioch, Miami and U. D., now numbers approximately 1100 students. Dayton has 420 students in the program.

Purpose of the program, set up in 1940 as the Engineering Defense Training program (EDT), changed the following year to Engineering, Science, Management Defense Training (ESMDT) and again the following year to its present name, is to supply knowledge and skills for the immediate needs of war industry and in a minimum of time. Training is afforded to war workers on an "above high school" level. Training in certain courses ranges from the above high school level through the graduate level. War workers, eligible for the courses, must have an academic
background of high school graduate or its equivalent in experience.

Only cost to students is the cost of text-books. The government underwrites the cost of the program to the extent of teacher remuneration and the defraying of the actual cost to the various institutions of maintenance of classrooms, etc. There is no tuition paid, the institutions making this contribution on a patriotic basis. There is no college credit given for the work but the institutions give certificates to students upon satisfactory completion of the various courses.

The University at present has 11 courses operating under its own sponsorship with Ohio State sponsoring still another two courses on the campus.

Lt. Harry Gaeke In Narrow Escape

Lt. Harry F. Gaeke ex '46, listed by military authorities as one of the crew members of a Liberator bomber missing after a crash on a Nevada desert has been located and is unharmed.

Lt. Gaeke, a navigator, along with his seven crewmates parachuted to safety shortly before the B-24 plummeted to earth near McDermitt, Nev. Missing for three days, they were finally located by a civil air patrol plane and were able to signal the rescue ship that they were unharmed. The patrol ship was unable to land due to the uneven terrain but help was immediately dispatched to the spot.

Lt. Gaeke spent his freshman year (See LT. GAEKE, Page 7)

Father Wm. O'Connor Home On Furlough

Lt. Col. William P. O'Connor '08, chaplain, recently completed a 22 day leave in Dayton after having served with the U. S. forces in both Ireland and England for nearly two years. Father O'Connor, a chaplain veteran of World War I and long identified as a chaplain at the Veterans Administration Facility (Soldiers Home) in Dayton, does not know at this time just what his new assignment will be.

When interviewed at the home of his sister, Teresa O'Connor '41, 1128 Superior ave., Father O'Connor said that the government was making great efforts to bring spiritual consolation to the soldiers and that the soldiers were most receptive to the chaplains' ministrations.

Father O'Connor is a brother of

Thirty-seven Degrees Granted At Spring Commencement Exercises

Spring Commencement exercises were held Sunday afternoon at 2:30 o'clock in the university gymnasium. Thirty-six bachelor's degrees including six in absentia, and one Master of Arts degree were conferred by Father John A. Elbert, S.M., president.

Dr. Edward A. Huth — Commencement Speaker

Dr. Edward A. Huth, associate professor of sociology, gave the principal address, Dr. Huth recently received his Ph.D. degree from Western Reserve university. Valedictorian was David Tom, senior class president from Honolulu, Hawaii.

Among the degrees given was the first bachelor of science in home economics and bachelor of music degrees awarded by the university. Miss Charlotte Stidham, Dayton, and Miss Betty Thomas, Ludlow Falls, O., received the respective degrees. Degrees "in absentia" were awarded to Marine Pvt. Firmin Paulus, Midshipman

Don Sharkey '34, Dayton, author of the recent book, “White Smoke Over the Vatican”, received the degree of Master of Arts.

Rev. Henry Fritz, S.M. — Baccalaureate Speaker

An innovative feature of the 1944 Spring graduation was the senior breakfast given by the University for the graduates immediately following the baccalaureate mass. The breakfast replaced the traditional senior dinner customarily held the week before graduation.

The breakfast was staged in the visitor's dining room in Chaminade hall. Father John A. Elbert, president, was guest speaker and the graduates were welcomed into the alumni association by the alumni secretary.

HOME ECONOMICS DEPARTMENT OFFERS PRACTICAL TRAINING

Everything is in readiness for the arrival of the guests. Letitia Rose, hostess for the occasion, lights a taper as finishing touch to preparations for her formal dinner. Each student must plan and prepare one practice and one formal dinner during the course of the term.

The guests are seated and serving has begun. Guests are selected from among the parents of the students, faculty members and friends of the University. Napery, cutlery, china and decorations have been tastefully selected and invariably elicit warm comment from the guests.

Field trips to various institutional restaurants form a valuable and interesting extra-curricular pursuit. Here the girls, escorted by Sister Raphael and Sister Hilda, visit the Air Service Command's huge bakery. They have also studied the kitchens of Frigidaire and Ohio Bell Telephone.

Precious talent of the home economist is the ability to design and make clothing for all members of the family. Beginners work from prepared patterns; advanced students learn to make clothing from original designs. Later their work is constructively criticized by classmates.

Seven Girls Now Enrolled In Newest Division

Latest major academic project of the University is the home economics department of the Division of Science. In operation just two years it now numbers seven students (six juniors and one senior) with its first graduate, Charlotte Stidham, receiving the degree, B.S. in Home Economics, this Spring.

Both the cooking and sewing laboratories are elaborately furnished with the most modern type of equipment. Sister Raphael, M.S.C., is in charge of the cooking division and Sister Hilda, M.S.C. is in charge of the textile lab.

The department is accredited by the state Board of Education of Ohio teacher training, the curriculum for Dietetics and Institutional management satisfies the requirements of the American Dietetics Association.

The Home Ec department offers training for various occupations and professions, chiefly in the fields of teaching, dietetics, institutional management, homemaking, child care, textile design, advertising, buying and editorial writing for women's pages of periodicals.

There is a promising future for graduates. Dietitians are in demand by hotels, restaurants, schools, hospitals, clubs, industry and in the canning and preserving field. An advanced knowledge of textiles opens up opportunities in the clothing industry, in fashion centers and department stores.
1943 CHEMICALS

Tenth annual reunion for the chem grads of the class of 1934 was held Holy Saturday at Seville Tavern. Those present included Dr. Matt Haas, dean of engineering; Dr. William J. Wohlleben, head of the department of chemical engineering; Richard Carson, Reuben Saeks, Lawrence Hibbert and Major Donald Neu. Sending regrets were Ens. Robert Schantz, California; Thomas Nealon, Boston and Richard Forten­er, Chicago.

1943 CO-EDS

Co-ed graduates of the class of April, 1943, held their first anniversary reunion at the home of Polly Mack, April 23. First get-together for the girls was last July at the home of Betty Mayl.(October, 1943 Alum­nus)

Present at the reunion were Marty Bucher, Jean Gura, Maria Economides, Buena Greer, Kay Day, Amy Luthman, Kay Hayes, Muriel Musser, Mary Rose Sullivan, Betty Mayl and Polly Mack.

LIE DETECTOR

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courses and for general research. Professor Jerome H. Gibson, who has been experimenting with the device is a graduate of the U. D. prep school with the class of 1923, attended the collegiate department one year and graduated from Holy Cross in 1927. He has performed graduate work at Xavier U., St. Louis U., U. of Detroit and the U. of Chicago. He is a candidate for a Ph. D. degree at Chicago. He experimented with the lie detector while doing clinical work at the Institute for Juvenile Research in Chi­cago.

LT. GAEKE

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at the University in 1942-43 and received his gunner's wings in August, 1943 followed by his navigator's wings and commission on December 20, 1943 at Hondo, Texas, army air field.

1926—Lou Mahrt was appointed chairman of the Montgomery County War Price and Ration Board No. 3, and chairman of a consolidated war price and ration board for Dayton and Montgomery county. Lt. Col. Thomas G. Fleming is in the Pacific war theater.

1927—Sympathy is extended to the family of David Haber who died recently. Dr. Edward Sachs is in Palm Beach, Fla.

1928—Howard Hartman is executive assistant at Chance Vought Aircraft in Stratford, Conn. Lt. Comdr. Richard Schneble is at the naval base hospital at Corpus Christi, Texas.

1929—Sympathy is extended to Marine Pfc. Harry Gitzinger upon the death of his father, Gitzinger is now at Camp Pendleton, Oceanside, Calif. Arthur Schlitt sends us word that Ed Shoeh is now a captain and Lou Bender a major.

1931—(H. S.) Tyrone Power has been promoted to first lieutenant in the Marine corps.

1932—Dr. Clarence Somsel has been commissioned a first lieutenant

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in the army medical corps and is at Carlisle Barracks, Pa.

1933—George Pfeifferberger is in Bryan, Tex, Louis Rapier is covering the tobacco markets in Owensboro, Ky., Waycross, Ga., and Kinston, N. C. Lt. Eugene Zimmerman is in the southwest Pacific.


1935—Capt. James Connelly is in the Pacific. Dr. Louis Hoersting is the father of a son, George Blase, born April 18. Dick Gottshalk, retired army captain, is now general manager for the Hunter Arms company in Fulton, N. Y. Lt. Roger Wise was in Dayton for a short time recently after service in the Mediterranean area.

1936—Major Armon Wease is in Detroit, Mich. Major Donald Davis is overseas.

1937—Major Herbert Greuter is at Robbins Field, Warner Robbins, Ga. Major Theodore Hollenkamp is at the Tank Automotive Center, Detroit, Mich. Lt. James Schwendeman, an ordinance officer stationed at Harris Neck, Ga., was a campus visitor April 19. Major Elmer Will was a campus visitor April 14 and attended the senior farewell April 15. He is now at Camp Fannin, Tex. Lt. Bob Connelly is in Sardinia.

1938—Capt. Dan Hobbs is at Camp Carson, Colo. Roy Boerner has been promoted to major and is in Sioux Falls, S. Dak. Lt. John J. Wirtz is at Scott Field, Ill. Capt. Charles Gerwels is the father of a son, John, born April 3. Victor C. Walling and Mary Frances Hirt were married April 3. They are living in Phoenix, Ariz. Staff Sgt. Pandely Kamthny is with the ninth air force somewhere in England.

1939—Fred George was a campus visitor April 19. Sgt. Paul Hartman and Capt. Tom Glick are in the same battalion in Italy, Mr. and Mrs. Jake Baker (Margaret Mess) announce the birth of a daughter April 3. Dr. Ralph Lohrey is also the father of a daughter born March 2. Lt. Ralph Niehaus and Lt. "Beno" Keiter '42 are in the same division in the South Pacific.


1941—Ensignment Francis Schnurr is in the South Pacific, Lt. Hugh Smith is in England. Recent campus visitors were Pfc. Edgar "Inky" Reagan and Mark Fecher. Mr. and Mrs. Jack Kirchner visited the campus on their honeymoon trip. They were married in Charleston, W. Va., April 22. She is the former Margaret Wade of Atlanta, Ga.

1942—Lt. Paul Finke met Lt. Mike Kerezi '41 in London. Dick Hirt has been promoted to Captain. Mildred Wharnby has received her Master of Science degree from the Ford hospital in Detroit. Lt. Jane Simons is at the School of Air Evacuation at Bowman Field, Louisville, Ky. Sgt. Dick Doyle is in Ephrata, Wash. Corp. William Knapp is at the medical replacement training center, Camp Barkeley, Tex. Sgt. Dan Warner is at Camp Swift, Tex. Capt. Frank Knepper commands a B-24 squadron in Italy. Lt. George Kinzer is with the quartermaster corps in Italy, Lt. (j.g.) Bob Wolff is in the South Pacific. First Lt. Bernhard Schmidt is at Drew Field, Tampa, Fla. A/v. Roy B. Pleiman is at Great Lakes. Ensign John Boland, a recent campus visitor, has been assigned to the U.S.S. Attu. Capt. Joseph Murphy is C.O. of a quartermaster unit in Italy which received a merit citation for gallantry during the Salerno landing. Herbert Morris is with the Texas company in Beacon, N. Y. Robert Lawrence Wagner is at Yale for aviation cadet training in armament.

1943—Recent campus visitors include Lt. Harold Raybould, Lt. Jack Kussman, Lt. and Mrs. Louis Thacker, Ed Becker and John Marshall. Raybould has completed flight engineering school at Lowry Field, Colo., and is awaiting further assignment. Kussman returned to Camp Livingston, La., but expects to go overseas soon as does Thacker. Lt. Frank Doorley and Eileen Stamen will be married May 6. Bill Carrigan, in dental school at Western Reserve, visited the campus in early April. Ensign Ed (Pat) Sheeran is in New Caledonia. Lt. Eugene Rottermann was married to Elaine Johnson in March. Ensign Joe Jacobs is on an L.S.T. on Atlantic duty. A/C, Jack Homan is at Yale. Pfc. Frank Hughes is in England. Lts. Dick Loges and Matt Glaser are in Italy. Lt. John Wroe is at Will Rogers Field, Okla. Don Rist is in St. Louis, Mo. Margaret Wheelbarger's engagement to Carl Linder of Chicago has been announced. The wedding will take place in June. Corporal James Love is stationed at Patterson Field, Ohio. Kay Day is a secretary at the Board of Education offices, Mildred Campbell is in Hartford, Conn. James Fenton, Paul Herking and Robert Schaeffer have been promoted to first lieutenant.

1944—George Thoma was a recent campus visitor. Ensign George Davis is assistant supply officer at Gulfport, Miss. Corp. Joe Goubeaux is at Camp Wolters, Tex. Naval Aviation cadet Bill Ginder is at Iowa State college for pre-flight training. Ensign Carl Housekeeper and Annette Hochwalt were married April 8. Pfc. Tom Myers is at Nichols general hospital, Louisville, Ky., in the medical detachment. Ensign Bill McHugh was a campus visitor April 25. William Fitzgibbon is in Asbury Park, N. J. in midshipmen's school. Bette Rogge played the title role in "Claudia" in the "Y" players production of the successful Broadway and movie hit.