

Profs Attend Chem Conclave

"He telleth me the wonders of the world and I am duly amazed." While you and I were worrying about the piled up work that we weren't doing during the holidays, Professors Freund, Wasley, and Murray attended the Eighth National Organic Chemistry symposium of the American Chemical Society held in St. Louis, Dec. 28-30.

Conclave Gathers Leaders

This conclave, held every two years, brings together the leading men in the field of organic chemistry, many of whom present papers before the group on the various types of work accomplished by them during the past two years.

While much of this work and explanation is extremely technical in its nature, nevertheless, when reduced to the layman's English, it is interesting even to those without a vast knowledge of organic chemistry.

Presented before the assembly of more than 500 persons were some fifteen papers concerning such subjects as work on sulfanilamide and its derivatives, development of a new series of antispasmodics, work on the mind-affecting ingredients of marahaua, use of heavy hydrogen and heavy nitrogen in the determination of the effect of body organs on certain proteins and many other papers on other technical topics.

Some of the more interesting information was brought to the fore on the work on sulfanilamide derivatives and work on Vitamin K. Among the 5000 now known sulfanilamide derivatives, probably the best known and most useful is sulfapyridine which has been used very successfully as a specific for pneumonia. Prior to the widespread use of sulfapyridine, of several hundred thousand yearly cases of pneumonia between 30 and 40 percent were fatal. Present day fatalities amount to but 5 to 8 percent of the total number of cases. This remarkable decrease is due almost entirely to the extensive use of sulfapyridine.

Biological Chemistry Advanced

The work on Vitamin K will probably find its chief use in the field of biological chemistry. It is now possible to produce synthetically all of the vitamins A to K. The man who presented the paper on vitamin K was the discoverer of sex hormone structures.

The work with heavy hydrogen and heavy nitrogen has been used extensively in the study of metabolism. It has been possible by this type of experimentation to study the effect and rate of reaction of various organs of the body. Perhaps it might be possible some day to determine the cause of and thus prescribe a cure for cases of mental and physical disability or inaptness by a chemical analysis.

Frat Notes

ELECTIONS

Pi Kappa Phi held an election last Thursday night. The new officers are:

Archon, Robert Maxwell; Treasurer, Herbert Hansen; Secretary, Harold Pavel; Historian, Oliver Dickert; Chaplain, Vladimir Filko; Warden, Albert Bujan.

Phi Kappa Sigma elected the following officers last week:

President, Robert Howard Lange; Secretary, Robert Ettinger; Treasurer, Ronald H. Smith.

Beta Omega Nu elected George Hanna, (Chi Epsilon, Tau Beta Pi, and Triangle and captain of the wrestling team) as its new president last Wednesday night. George has called the next meeting for Wednesday, February 7.

Delta Tau Delta promoted Richard Talcott from Assistant Treasurer to Treasurer. The vacancy was filled temporarily by Delano Wessels, the past treasurer.

Sigma Alpha Mu elected Robert Barrett, Prior; Seymour Saperstein, Exchequer; Harry Role, Recorder; Gerald Hollander, Alumni Recorder.

No initiations or pledgings have been announced this week, but the Phi Kap. house boasts of two more pins being worn. It seems that Jack Clark and Bob Greenberg have returned to the status of bachelors.

BASKETBALL SCORING

Player	G.	B.	F.T.	M.F.T.	P.F.	T.P.
Norkus (center)	8	18	15	24	22	51
Scherer (guard)	8	20	9	9	10	49
O'Connor (forward)	8	11	9	8	12	31
Sliwa (guard)	8	11	5	14	22	27
Lurz (forward)	8	10	5	7	2	25
Sher (forward)	7	7	6	6	14	20
Rudakus (center)	6	4	4	2	6	12
Fahey (guard)	6	4	3	2	5	11
Schmidt (forward)	8	4	2	12	6	10
Jones (guard)	1	2	1	2	3	5
Lagodny (center)	2	1	2	1	2	4
		92	61	87	104	245

Student Advocates Greater Research

Improbable though it may seem, Engineering is not ahead of industry but is actually a lap behind. This fallacy was elucidated by student speaker Edmund Francone at the A.S.M.E. meeting last Friday. Mr. Francone, without undue ostentation, proceeded to explain that a great many people apparently feel that industrial research has pushed forward too fast and has forged ahead of our social absorption ability. The facts, however, belie the theory.

Development of labor-saving machinery has not put more men out of work but rather has opened possibilities of labor-creating. It is often asked if we would not be better off without some of this development which has taken work away from men and given to machines. No one ever suggests that we extend and multiply this work of development so that it might create new industries which would more than absorb any people who may be thrown out of work because of it.

Research has an accelerating affect on the pace of progress. Scientific problems are not solved by fine new buildings and expensive equipment; but, with the many different phases of modern research work there is a definite advantage in a large scale attack.

Co-ops Hold Banquet; Conclude Fourth Year

Marking the successful conclusion of the fourth year of the Cooperative Course at Armour, a banquet to be held on Friday, Feb. 16 at the Lake Shore Athletic Club will bring together both "A" and "B" groups and many officers of cooperating companies.

The program will include several speakers, representing the cooperating companies as well as members of the faculty of Armour Tech. Other entertainment will be provided, including movies of the Research Foundation's project, the Snow Cruiser.

Tickets will be on sale very shortly, and the price has been set at \$1.75 a plate. The Coop Club will pay part of this, making the price to each Coop \$1.25. Those who wish to spread this cost out may deposit \$.25, the balance to be paid before the end of the present term.

EVENING SCHOOL—

(Continued from page one)

for hour, a man will be able to do every thing in the night school. Students studying in the day school, who are forced to interrupt their education either temporarily or permanently may also take advantage of the new night courses. Transfers from day curriculums to night curriculums may be easily arranged with little or no delay. Likewise, transfers from night work to day work may be undertaken by those whose circumstances might suddenly shift.

Such procedures are expected to create even greater cooperation between industrial and educational activities. The opportunities offered to practicing technicians for complementing their practical education with the latest theoretical material and research derived through educational channels are considerably enhanced. The Institute, too, will benefit more than ever before through an interlinking of practical industrial and theoretical procedures, as even now, new courses have been arranged which will bring, first hand to the student, actual commercial techniques.

As an illustration, two new courses, graduate and undergraduate, on in-

Four Initiated Into Sphinx Fraternity

Four men, current members of the *Armour Tech News*, are proud owners of four new gold keys, engraved with the symbol of their fraternity—the Sphinx, received at the formal initiation held Thursday evening in the north banquet room of the Student Union cafeteria. The men, inducted into the society because of their faithful work on the above named student publication, are: Peter Woods, Re-Write Editor; Art Hansen, Feature Editor; Irvin Dzikowski, Desk Editor; and John Kucera of the re-write department.

Sphinx, second oldest honorary on the campus, is composed of men whose literary talents have been recognized and whose efforts have been rewarded by membership in the society. It was instrumental in founding the Tech News in 1928, and it continues in an advisory role to student publications. Its pledges are distinguished by their black and yellow pledge ribbons—the school colors—and as was the case this year, by the copy of the *Cycle*, *Engineer*, and *Tech News* which each man carried as a pledge duty.

Faculty members who were guests at the banquet were Prof. Hendricks, Dr. Anderson, Profs. Peebles, Finnegan, and Goetz. Those invited but unable to attend were Profs. Paul, Colvert, and Mangold.

Manufacturing Head Presented by S.A.M.

In order to give Armour students a more thorough knowledge of time study work, the Society for the Advancement of Management will present, next Friday at 10:00 a.m., Mr. Harold Steele, manager of the Belden Manufacturing Company. Mr. Steele, being in charge of the time study work for his company, which is one of the largest wire and insulation manufacturers in the country, is well qualified to discuss "Time Study Work and Opportunities in the Field." Mr. Steele's talk will be the second in a group of five lectures by outside speakers scheduled to appear at SAM meetings this year.

Time Study Important

Armour students would do well to hear this lecture since time study work is gaining greater importance in industry with every passing day and is occupying an increasing part of the engineer's time.

In the near future, the S.A.M. will hold luncheons at which the student members will present papers on subjects related to Industrial Engineering. Since one of the most important objectives of the society is to acquaint Armour students with industrial engineering and management problems, these luncheons will be well in order.

dustrial instruments and controls will be introduced in the night division by Professors Thompson and McCormack. A part of the courses will be allotted to lectures by operating engineers. Due to the increasingly widespread use of automatic controls in combustion, chemical processes, photoelectrical work and countless other phases of industrial manufacturing, this course is expected to prove most timely.

Professor H. P. Dutton will offer a new night course in manufacturing problems. Examples of actual cases with actual data existing in business enterprises will be used. Such cases as inventories and budgeting will be analyzed. Another new course to be offered will be "Industrial Waste and Stream Pollution." Professors Mohlman and Hurwitz will instruct. The advanced math course, "Theory of Equations," taught by Professor Krathwohl, is to be given at night as well as during the day.

FINNISH WAR—

(Continued from page two)

troops skied into this Russian city's streets yesterday and captured thousands of troops as they took the city. The battle cry: "On to Moscow!" resounds from Finnish throats.

Jan. 17 (AP) Three more Red mechanized divisions, numbering around 45,000 men, fell back before the Finnish army's slaughtering fire. Advancing troops are halfway to Moscow.

Jan. 18 (UNS) Red reinforcements beaten back! Finnish troops ten miles from Moscow, raid city from air. Civilians being evacuated. General Mannerheim announces annexation of captured Red territory to Finland. All set to move ten thousand Finnish civilians in to settle the land.

Jan. 18 (GPU) MOSCOW FALLS! FINNISH TROOPS SWEEP SOUTH! Continuing their unprecedented attack on Russia, Finnish troops

are sweeping south, menacing Russia's recent acquisition of Polish territory. Berlin screams undying love for Russia, and calls Finns "Barbarians", "Aggressors", and "A menace that should be stopped!"

Jan. 19 (AP) Paris. Finnish attack being slowed up by lack of snow. Soldiers forced to ride in trucks instead. Pray for snow and more white bed sheets to wrap themselves in. One third of Russian territory annexed. Russian air force hiding out in a concentration camp in northern Siberia. Three thousand more generals "purged".

Jan. 20 (AP) London. Finns at German-Russian border in Poland. Send ultimatum to Hitler to surrender in 24 hours, or face an attack by ski troops!

Jan. 20 (AP) New York. Ski sales in the United States jump three thousand percent in week. Favorite greeting: "I'll be skiing you."

Jan. 21 (DNB) Berlin. A complete blackout was observed tonight as the 100 plane Finnish air force was reported to be massing at the eastern German frontier.

Jan. 22 (AP) FINNISH TROOPS CAPTURE BERLIN. RED-NAZIS AXIS SURRENDERS. BERLIN SIGNS ARMISTICE WITH LONDON AND PARIS.

ONLY COMMENT BY HUNDREDS OF FINNISH SOLDIERS SWARMING IN BERLIN, AS SPOKEN TO OUR RUSSIAN CORRESPONDENT: "IT'S A LONG SKI HOME!"

Jan. 23 (ATN) Special. Chicago. Armour Tech students vote to do away with all other sports except skiing. Make ski jump from sloping roofs of Student Union Building to Ogden field. (Gee, are the 33rd street motorists surprised, though!)

Finnish

For more pleasure at the movies see Paramount's Feature Attraction THE GREAT VICTOR HERBERT starring ALLAN JONES and MARY MARTIN
For more smoking pleasure enjoy CHESTERFIELD'S Feature Attractions ...REAL MILDNESS and BETTER TASTE.

ALLAN JONES

Real Mildness and Better Taste are Chesterfield's Feature Attractions

The Right Combination of the world's best cigarette tobaccos in Chesterfield gives you two features you can get in no other cigarette... Real Mildness and Better Taste.

On top of that, Chesterfield gives you a far cooler smoke. You can't buy a better cigarette.

The Cooler, Better-Tasting, Definitely Milder Cigarette



MARY MARTIN