



A Tensile Test
 Of A
 Steel Bar
 As A
 Laboratory Project
 In The
 Mechanical Department

Mechanical Department Adds To Educational Expansion Aids

Since the Institute was founded, Mechanical courses have been a prominent part of its educational programs. Technical and liberal subjects supplemented by drafting, woodworking and machine shop were given as early as 1885. For many years prior to that date lectures and discussions on mechanical and other subjects were held at the Rochester Athenaeum.

In the years before World War I, Teacher Training classes were conducted at the Institute on a fairly large scale and many High School Manual Training and Technical Departments were organized by Institute graduates. Many of these graduates were promoted to be Principals of High Schools and Superintendents of Instruction. The Manual Training course for the training of teachers was in many ways similar to the Mechanical courses at the Institute.

In 1912 the Institute adopted the cooperative plan of instruction and the Mechanical course then set up was very much like that offered today. This course was successfully carried on until 1914 when nearly all of the young men then enrolled answered the call to arms for World War I. Immediately after the war, a two-year full-time Mechanical course was given to veterans and in 1923 the present plan of cooperation with Industries was established. Since 1923 intensive studies have been made to improve and perfect the curriculum and the cooperative relationships with the Industries. Prior to World War II it became necessary to limit the number of entering Mechanical course freshmen to one hundred due to the lack of facilities for a larger number. Now again a war has taken its toll among us and again veterans are beginning to enroll. This time, they, like other students, are enrolling on the cooperative plan.

Years ago there were two kinds of engineers, Military and Civil. Today there are many kinds of engineers in Military Service and Civil Engineering is only one branch of an enormous field of engineering and technical work, each branch of which is sub-divided into several others. The Institute offers a choice of three courses in its Mechanical Department; a general Mechanical course for those who do not wish to specialize, Instrument Making for students interested in precision and experimental work, and a new course in Tool Engineering.

The Tool Engineering course will train in the fundamentals of designing and in the making of tools for mass production of machines and other products. Particular attention will be given to the various processes used in up-to-date manufacturing. Graduates of Mechanical Department courses are holding such positions as Sales Engineer, Production Planner, Engineering Draftsman, Machine or Tool Designer, Power Plant Operator, Sales Manager and Works Manager.

An expansion in manufacturing methods for making things offers many opportunities to young men with technical skills.

S P R I T

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Delta Omicron Phi Sigma Frolic

Friday evening, March 23, Delta Omicron and their brother fraternity, Phi Sigma Phi, got together at Clark Union for an evening of fun. Plans were arranged by a committee of co-eds, including Shirley Anderson, Marian Burrill, Joyce Doolittle, Ralph Gilpin, "Tiny" Hulst, Werner Jaeger, and Bob Jakala. Marty Lyvers and Muriel Watkins were in charge of the refreshments.

Round dancing, square dancing, and a floor show were enjoyed by all. "Tiny" did a super job as master of ceremonies.

A quartet, composed of Phi Sig members, displayed their beautiful voices. They were followed by a pantomime act of Bryce Showalter's car and all his troubles. Both were enjoyed by all. A comedy, "The Lost Kiss" was acted by members of both groups. It was fun practicing for this play, wasn't it, kids?

The committee wants to thank Mr. and Mrs. Clarence Tuites, Mr. and Mrs. Earl Karker, and Miss Bernice Mohlenhoff, who were the chaperones.

Everyone had an swell time and is looking forward to another party in the future.

Social Evaluation

You cannot do wrong without suffering wrong. No man had ever a point of pride that was not injurious to him. The exclusive in fashionable life does not see that he excludes himself from enjoyment, in the attempt to appropriate it.

Institute Sponsors X-Ray Clinic

The Institute is undertaking in cooperation with the Iola Sanatorium, The Rochester Health Bureau, The Tuberculosis and Health Association and The Rochester District of the State Health Department, to X-ray its students and staff. Health authorities recommend that everyone have an X-ray at regular six-month intervals to be certain to discover any possible indications of tuberculosis. Such a program is being conducted in the Rochester area in the hope of eradicating this communicable disease.

On the evenings of April 11 (Wednesday) and 12 (Thursday) the Mobile X-Ray Unit will be at the Institute between 7 and 9 P. M. The actual time required to X-ray your lungs is approximately one minute. It is not necessary to remove clothing, and there is no charge for the X-ray. The results of the examination are confidential. The report will be mailed to you at your home address. The pamphlets which your instructor will distribute to you will give further information about this project.

May we urge you to take advantage of this opportunity, unless you have recently had an X-ray. You will be protecting yourself, your family and the community.

BURTON E. STRATTON,
Director

Soul Nobility

If we live truly we shall see truly. It is as easy for the strong man to be strong as it is for the weak to be weak.

FRANCES EDELSTEIN (P. & P.), *Editor-in-Chief*

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RECOGNITION AND REWARD

It is much easier to blame and find fault than it is to praise. Praise is never "under proof"! It radiates like the sun, and it warms more than the one praised. It even warms the one who praises.

If no one ever praised or encouraged us, we would be poor working folks. Contrary to what some people think, praising a person does not make him conceited if that praise is genuinely merited. Rather it raises the spirit of the one praised to a high level.

It has been noted that all animal trainers constantly give praise to their animals in some way or other. They pat them, speak kindly, or give them some reward in the form of something to eat of which they are fond. Human beings, however, prefer kind words and praise, to gratuities without praise.

When no encouragement comes to us from our work, our energies lag, and incentive melts rapidly away. Every honest effort should reap its praise, even when the results show small. The more praise, the greater will both effort and results mount.

It is a joy to work for one where praise is given whenever merited. It is something that is always appreciated. Without praise and encouragement few of us could long strive. Not even for the monetary rewards.

Praise and encouragement is always a welcome attribute to anyone. And usually the bigger that man or woman, the more it is appreciated. It was a habit of Richard Harding Davis to praise the work of new writers, and many a one owed to him much of his later success. The late Bob Davis was also a star performer in this business of encouraging and praising those who showed ability and promise. So was the late Billy Phelps.

Praise is both food and drink to the mind and to the spirit. It is something that you gladly give away that has cost you nothing. It's soul spur that works double!

It is the symbol of progressiveness.

Chemistry Student Physical Fitness Commissioned

First Lieutenant Robert W. Wolf, son of Mr. and Mrs. Joseph Septinelli, 3 Sauer Place, Rochester, N. Y., recently has completed eighteen months of foreign service including duty in England, North Africa and Italy.

He is currently assigned as a navigator with a ferrying squadron of the Mediterranean Air Transport Service at a busy air base in Italy.

Lieutenant Wolf entered the Service August 6, 1942 and was graduated and commissioned a Second Lieutenant June 6, 1943, from the Army Air Force navigation school at Selman Field, Monroe, La. He was promoted to First Lieutenant September 27, 1944.

For participation in the Naples-Foggia, Rome-Arno and Southern France Campaigns he has been authorized the European-African-Middle Eastern Theater Ribbon with three bronze battle stars.

Health is a personal investment. A man's physical and mental condition and what he does to maintain it are important. Although many people with physical defects are hired, employers want to know what they are doing about their particular condition. Employers want people who make the most of their physical endowments. The healthy man has vitality, energy, enthusiasm for work and play. It is the man with energy, with the extra push, gets and holds a job. With competition for jobs stiff among capable people, the least one can do is to keep himself physically a mentally functioning effective.

The wise person is examining regularly by a physician and develops a set of personal habits which balance work, rest, recreation, exercise, and diet. With a sense of humor, he has a good time following these habits. When he regularly checks up on his physical condition, he does not become over-preoccupied with a cranky about it. He avoids the use of stimulants and patent "cure alls." He knows that such things as the "morning-after-t-night-before" feeling interfere with his efficiency. He acts accordingly. He knows that personal or family worries lessen his production. He seeks competent medical attention when individual efforts fail to correct physical mental distress.

Diphthongs And Triphthongs

Two vowels joined together in one sound or syllable are called a *diphthong*, from two Greek words meaning *double sound*. Diphthongs are divided into two classes, called *proper* and *improper*. A proper diphthong is one in which both vowels are sounded; as, *ou* in *house*, or *eu* in *feud*. An improper diphthong is one in which the sound of but one of the vowels is heard; as, *ea* in *bread*, *ai* in *paid*, *eo* in *people*, *oa* in *boat*.

A *triphthong* is a combination of three vowels. There are but few triphthongs in the English language; namely, *aye*, *eye*, *eau* in *beauty*, *ieu* in *view*, and *ieu* in *lieu*.

When two consonants come together to form a single sound, the combination is known as a *consonant digraph*. Examples are *ch* in *child*, *sh* in *shoved*, *th* in *thin*, *gh* in *cough*. A combination of three consonants to form a single sound is a *trigraph*, as, *phr* in *phrase*.

The terms digraph and trigraph may apply to either vowel or consonant combinations.

Nonchalant Student

A youngster was asked by history teacher to name the principal cultural contribution of the Phoenicians. The answer, given without hesitation, was "Blinds."

HURDLE OBSTACLES

The block of granite which was an obstacle in the pathway of weak, becomes a stepping-stone in the pathway of the strong.

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R.I.O.T. NEWS

As we sit here, the smoke flies high, Shall we tell you the reason why? Freshmen Thomas and Bowerman are learning to smoke To them this is no joke.

Was her face red from ear to ear She called one man—the little dear, And thanked him for the flowers many Came the cold reply, "I didn't give you any."

Johnny went home with his gal, Fran; Now there's no question as to who's her man. Jane Shafer has a new man, too. Could it be it starts with a "W."

Be on the lookout, the Frat dance is coming. Come on, gals, let's have no slumming.

Arlene Smith Bennett has a little girl Whose hair's turning red with a little curl.

May Day Week-end is coming, let's get on the beam; So don't keep in mind who you want for your queen?

The sun shines on, and so must we; We need our sleep, so leave us be.

BARBIE, TIZ, BOBBIE

SPEAK SINCERELY

For non-conformity the world whips you with its displeasure.

THE REVEALER

Well, here we are again, recuperating after a rugged five days.

I am sure that all the RIT "Easter chicks" sporting their new Easter bonnets were strictly 20-20 in anybody's language. But that's no sign that Schaubert had to try to impersonate an Easter egg. He really went for Easter in a big way though, after "borrowing" friend Johnson's new tie, he grabbed Annie and dashed off to Auburn together with Taylor Warren and Jan Tufton. Naturally a man's ensemble isn't complete without a flashy hankie in the front pocket. But really, Don, that was the most unusual shaped pink hankie I ever saw.

I was walking peacefully down the street the other day (just because I kept running past the cigarette line yelling "Sold out" is no sign I wasn't peaceful); anyway, to my amazement, there was our own sweet little innocent "Moakie", fourth from the end. She was waiting her turn like a veteran. I tried desperately to prevent her from continuing to wait in that line to ruin, but she just sighed, "I'm tired of picking up butts" and moved up a notch.

The weather was rather warm there for a while last week. However, it might be a good idea if hereafter Bobbie Nicholson took a mental inventory of what she had on her, before unbuttoning her jacket to cool off. Of course, Ansel, being broad minded as he is, thought nothing of it.

Flo Celmer's favorite hobby is falling downstairs. She always gets up, laughs, and says, "Think nothing of it, because apparently I do it all the time." It is true, she does it all the time and never gets hurt—in Rochester. She had to wait until the first day home and spend the rest of her vacation in bed. Flo, why don't you try parachutes?

That glamour boy Pee Wee really knows how to handle wo-

men. At least, so it appeared when he escorted five Dormites to the lake.

Four patriotic co-eds were asked to attend a real holiday dance at Canandaigua for the recuperating veterans. Ye gads, why didn't they say "Civil War Veterans"? You never saw so many versions of "Turkey in the Straw" in your life. To top it off, the bus broke down on the way home and with tired, aching feet, the patriotic quartet hitch-hiked home.

I'm just glad that Inge, Di and C. J. have a sense of humor. "They saw their duty and they done it." If you're over forty and are hard up for phone numbers, see one of the girls. They even have nylons promised to them. Well, gosh, kids, they were men, weren't they? "How's your girl friend?" inquired Mat.

"Not so good," answered Horton. "Gee, you're always lucky," sighed Mat.

Frankie and Johnnie are far away in Pennsylvania, so, at last, I am free to write as I please. Who am I kiddin', she'll only proofread this anyway.

Well, Davey Boy has been so good I can't say anything about him; he hasn't wrecked any more pools or mangled any morals, mostly because there aren't any pools left to ruin or morals left to mangle.

It's tough having to stick to just making girls unhappy!

BETTY LOU

GIVE AND TAKE

The absolute balance of give and take, the doctrine that everything has its price; and if that price is not paid, not that thing but something else is obtained, and that it is impossible to get anything without its price.

A mutual understanding is ever the firmest chain. Nothing seems so easy as to speak and to be understood.

No man can learn what he has not preparation for learning, however near to his eyes is the object.



New Library Books

Why Women Cry; Or, Wench With Wrenches. Hawes, Elizabeth

"A book about women—for women. . . Miss Hawes has given up her fashion designing and has taken work in an airplane factory. She attacks the problem of the career woman and housewife and whether or how the two jobs can be combined. The book is witty and absorbing as are all Miss Hawes' books.

Anything Can Happen. Papashvily, George and Helen

"Anything can happen in America—and it usually does." This is the opinion of Mr. Papashvily, who came here from Georgia, Russia, and saw a great deal of American and their country before he married an American and went to work in a war plant.

An Intelligent American's Guide To The Peace. Welles, Sumner

This book is recommended by the best authorities as required reading for every American.

Fashion Is Our Business. Williams, Beryl

A new book on fashion and fashion designers.

Great Son—Ferber, Edna

A family history.

Troubled Midnight—Günther, John

Constantinople before the war where an American girl working for the government meets foreign agents, make a romantic spy story that is excellent reading.

A Golden Age. Parmenter, Christine

"A chronicle of home and family life in a small Massachusetts town in the eighteen eighties."

I'll Hate Myself in the Morning. Summer In December. Paul, Elliot

Two stories, the first, a mystery and the second, a spy story.

Apartment in Athens. Wescott, Glenway

A Greek family, caught by Nazi persecution in occupied Athens experience the same suffering and feelings of hate for their German enemy that is felt by all European peoples in occupied territory. A very interesting book.

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Name	1st and 2nd Rounds				H(dep.	Ttl.
	Games	1	2	3		
Surley—	243	108	146	157	188	842
Shekell—	147	167	162	138	220	834
aeeger—	154	124	125	151	280	834
Hoffman—	152	180	155	170	156	813
rice—	134	150	145	132	252	813
Brodie—	143	161	177	146	180	807
Laubenstein—	109	153	116	165	240	783
Putney—	150	132	152	135	208	777
stein—	175	101	175	121	200	772
Palumbo—	141	163	145	171	148	768
Pickert—	116	109	175	120	240	760
forton—	150	146	129	134	200	759
Silpin—	135	111	102	138	272	758
uites—	115	146	166	141	188	756
ess—	154	135	184	122	156	751
Vatt—	125	111	137	141	212	726
Holt—	139	155	145	124	160	723
ala—	106	142	157	126	192	723
ox—	156	144	159	129	128	716
	137	139	157	152	128	713

The above 20 bowlers will bowl additional games on Thursday, April 5th at 7:00 o'clock sharp.

Lugg—	141	99	77	91	304	712
Volfanger—	95	136	138	131	208	708
Hollenbeck—	124	106	132	169	176	707
aFontant—	131	106	142	124	200	703
anceri—	131	81	111	111	264	698
Palmer—	138	133	150	109	152	682
Hager—	96	104	87	142	248	677
ingold—	108	94	75	114	284	675
Karker—	122	103	115	105	228	673
Goldstein—	130	111	106	93	232	672
ayley—	126	107	122	121	192	668
Eckl—	67	82	150	103	248	650
Warren—	118	134	100	94	200	646
McKinney—	96	59	78	68	344	645
Westervelt—	102	61	81	108	276	628
Leisten—	126	121	93	106	168	614

Youth Rules World Photo Tech Flashes Service Is Joyful

Yes, the hope of the world for the days to come lies with our young men and our young women, the people below 25 years of age, millions of whom today, this very hour, are struggling and dying that a new world, happier and better, may arise.

Jesus' disciples, lest we forget, were all young men. John, the beloved disciple, was probably the youngest of the Twelve and Peter the oldest. And Peter was probably about the same age as Jesus Himself. This handful of men, rude, untutored, plain, run-of-the-mine men achieved, but not without superhuman living and dying, the feat of altering the course of human civilization for centuries yet to come.

Alexander of Macedon, who ascended his throne at 20, had conquered the known world before a premature death at 33. Julius Caesar performed all his accomplishments while still relatively a young man. George Washington won his first battle as a colonel at 22. Lafayette was a general of the French Army at 20 and Charlemagne was master at 30 of what is present-day France and Germany. Galileo was but 18 when he discerned the principle of the pendulum in the swinging lamp in the cathedral at Pisa. Gladstone was a member of Parliament before he was 22 and at 24 he was Chancellor of the Exchequer. Macaulay was celebrated in the literary world before he was 23 and Luther was 29 when he defied the Pope. At 36 Cortez had conquered Mexico and Niels Bohr, the great Danish scientist, was only 28 when he announced the atomic theory.

Yes, the world belongs to the young, if youth will be courageous, manly, daring and brave.

Such Dilemma!

"E" is the most unfortunate letter in the alphabet.
It is never in *cash*.
Always in *debt*.
Ever in *danger*.
And in *hell* all the time.

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Emotions of the Week
Sadness—Charlie Strong could have used another week with Helen in West Virginia.

Relief—Bob Holt finally got his series done! Better late than never!

Sleepy—Maribel and I . . . but oh, that New York trip!

Fear—All the day school math students as the end of the block approaches and with it brings exams.

Love—Lory Friedman as she thinks about Stan.

Hunger—Johnnie Hutcheson—Easter comes but once a year; who wants to eat anyhow?

It's portraiture now and there's been many a photogenic guy and gal seen around the studios this week. Tiny sure had the right idea on that glamour shot of Mary Waite featuring her beautiful red hair.

Speaking of Tiny, it seems he likes redheads.

Madeline Smith must be a magician to keep Ossie and Freddie from colliding on her doorstep some night.

That's all for now. Notice I wrote a whole column without mention of our publicity hound "Egg-Haid" Schaubert. I hear he and Johnnie are running a race to see who can collect the most press clippings. As long as you make good copy, boys, I'll do my part.

PHYLISS JONES

Having been poor is no shame, but being ashamed of it is.

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Although everyone occasionally regrets the necessity of ringing the time clock at 8:00 A. M., most people like to keep busy. A sense of satisfaction comes from "digging in" and doing a real job.

Seemingly threadbare as the words "hard work" may be, business and industry continue to want and award the young person who begins a day with a vigor which continues unabated until the job is done. This includes a enthusiasm for and an intelligent curiosity toward the job. The successful man takes his work seriously and puts forth steadily his best efforts. Such a person has a wholesome attitude toward his fellow workers. He considers himself a part of the company and runs his job for the good of the organization as a whole. Having a share in a task well done, a sense of belonging to something in which he believes, makes his job a vital part of him.

All jobs have many monotonous or repeating features. A man may not enjoy nine-tenths of what he has to do in the plant or office, but the satisfaction from the one-tenth which he likes makes the job worthwhile. *And remember what one does well, one comes to like.*

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