



28 Sep 1951

The Missouri Miner, September 28, 1951

Follow this and additional works at: https://scholarsmine.mst.edu/missouri_miner

These newspapers reflect the attitudes, perspectives, and beliefs of different times. Neither the library nor the university endorses the views expressed in these collections, some of which contain images and language which may be offensive to some readers.

Recommended Citation

"The Missouri Miner, September 28, 1951" (1951). *The Missouri Miner Newspaper*. 1393.
https://scholarsmine.mst.edu/missouri_miner/1393

This Newspaper is brought to you for free and open access by Scholars' Mine. It has been accepted for inclusion in The Missouri Miner Newspaper by an authorized administrator of Scholars' Mine. This work is protected by U. S. Copyright Law. Unauthorized use including reproduction for redistribution requires the permission of the copyright holder. For more information, please contact scholarsmine@mst.edu.

THE MISSOURI MINER

Missouri School of Mines & Metallurgy

VOLUME 38

ROLLA, MO., FRIDAY, SEPT. 28, 1951

NUMBER 2

Critical Shortage of Engineers

Is Expected to Last Until 1965

ENGINEER MANPOWER SHARED BY SERVICE

By HENRY H. ARMSBY
Associate Chief for Engineering Education, U. S. Office of Education

The number of young engineering graduates who can reasonably be expected to be available for industrial employment over the next 10 years will be far below the estimated annual need of 30,000 men. It may drop to as low as 12,000 in 1952. From 1954 until 1957 it will be about 17,000 per year. After 1957 it should start increasing, but will not equal the annual need until about 1965. These conclusions have been reached in an estimate prepared at the request of the Engineering Manpower Commission of the Engineers Joint Council. They are based on current enrollments in the engineering colleges, on pre-Korea trends, and on the probable effects of recently announced Selective Service policies with respect to the deferment of college students.

The writer has for many years been a member of the Manpower Committee of the American Society for Engineering Education and in that capacity has prepared many estimates of the number of graduates to be expected from our engineering colleges. The last such estimate was presented before the Society at its annual meeting in June 1950. It was based on trends in the birth rate, in numbers graduating from high school, in the percentage of high school graduates entering engineering colleges, and in "normal" graduation ratios in engineering colleges. Since it was prepared before the Korean incident, no allowance was made for military needs which have arisen since that event.

The actual engineering enrollment by classes in the fall of 1950 turned out to be almost as estimated in the spring. Based on these enrollments and on pre-Korean trends, and completely ignoring the effects of Selective Service, we could expect over the period of the next four years the numbers of engineering graduates shown in column 2 of table 1.

It seems likely that the net effect on the output of engineering colleges of the new Selective Service procedures for the deferment of college students will be quite small. An official of the (Continued on Page 4)

PIKERS SURVIVE FIRST TWO WEEKS OF SCHOOL

With two weeks of school already rolled by, all the Pikas are gradually getting into the routine of studies, shotguns, and sexless Saturday nights. However, this week was enlivened by a mass migration to see the County Fair. The boys returned with stories of the many wonders of the carnival. Many a cold winter evening will be spent by the fireplace while we listen to the tall tales of Bob Tellefsen as he tells of the time when Mitzi and the 20th Century Shows came to Rolla.

The beginning of intramural sports sees the Pikers eagerly awaiting their chance to take to the gridiron. We hope that daily practice will pay off in more than just sore muscles and kicked shins. The veteran trio of Jack Thompson, Sonny Koelling, and Bert Smith return again this year to wield a mean table tennis racket as they whack the little white ball over the net.

The house will be deserted Saturday, since all the Pikas will be in St. Louis rooting for the Miners to trounce the big Bears of Washington U. Present plans call for an after game celebration at Club Little Village in St. Louis. Hope to see you all there.

BUSINESS CONTACT IS PROVIDED FOR MINERS BY PLACEMENT SERVICE

The School of Mines maintains a placement service for its graduates as a means of helping them find appropriate employment when they have completed their schooling. This work is carried on by the Assistant Dean's Office. It involves arranging for on-the-campus interviews between graduating seniors and representatives from industry, and also involves numerous contacts between students and industrial representatives who do not visit the campus but who contact students by mail through the placement office.

During the 1951 spring semester, almost 100 companies sent representatives to the campus for interviews. The number of individual interviews was very large since each company talked to quite a number of seniors, in some cases as many as 125. No check was kept as to the number of companies that made contact by mail, but that number was certainly larger than the number that visited the campus. It is safe to say that the demand for young engineers is greater now than it has been at any time during the last 8 or 10 years, and the School did not come any where near filling the calls it received for young engineers. In fact, companies are already making arrangements for interviews on the campus next fall, and it looks as if employment opportunities for the young engineer will be very numerous for some time to come. It is certain that the size of our graduating classes will decrease for the next two or three years because the freshmen classes which entered in the fall of 1949 and (Continued on Page 4)

MYSTERIOUS BLAST ROCKS WEST SIDE

Another terrific and mysterious explosion rocked the residential west end of Rolla about 11 p.m. Saturday.

The blast rattled windows and shook houses "to the foundations," sending frightened citizens into the streets in search of the source of the explosion.

City police, the State Highway Patrol and Ft. Wood MP's all joined in the search in response to dozens of calls from frightened and irate citizens.

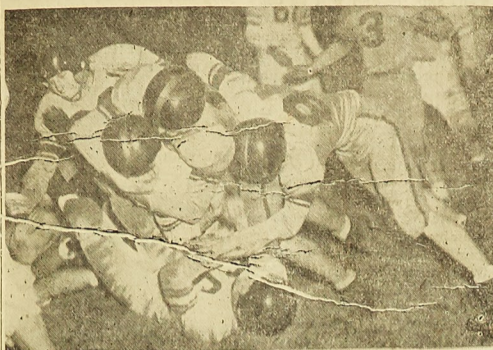
The location of the explosion was narrowed down to the vicinity of the MSM practice football field and the vacant lots near the intersection of 14th street (Nagogami Road) and Highway 66 west.

Who set off the explosion and what type of explosive was used was a matter of conjecture by police and authorities. But authorities and citizens threatened prosecution if the parties are found. It is not the first time that such mysterious explosions have happened and frightened and concerned citizens have reached a high state of indignation with the situation.

The location of the explosion was fairly well determined by a "car-hop" at the Drive-In Cafe, who said "I heard it out there..." pointing to the direction of the football practice field — "and something hit me in the face." A guest at the home of Mr. and Mrs. Eck, who live just west of the Drive-In Cafe, reported she saw "a flash of fire" from that direction.

Telephone service bogged down for a time as disturbed citizens started calling authorities to report the explosion and to try to determine from whence it came.

THIS PLAY GOT NOWHERE



In the action taking place above, Bennett, Ulz, and Marlow are shown putting the squeeze on one of the Murray Backs. Although the Miners lost the game, a remarkable improvement in their defensive play was noticed.

TEKES HAVE NEW WORRY WHERE TO PUT DOTTIE

Now that the 1951 school year is starting to get under way, the boys from 1107 State St. are digging the text books from under the piles of dust and are setting their sights on those three point grades. After two weeks of the wild and woolly summer experiences stores, the guys are beginning to wonder if this higher education is that it is cracked up to be. As the gang began to roll back to the fair town of Rolla, many old faces were missing and it will prove to be a large task to find new ones to fill the large gap that these new captains of industry left. The Teke manor is beginning to shape up, now that all the rooms are being refurnished. The members really pitched in and everyone is in line for a word of thanks, which they all deserve. After two weeks of school, the pledge class is up to a total of ten, with the men coming from all over these United States and we are proud to welcome each one to the fold and we hope that they will receive as much from the house as the boys in the past years.

The new year was started off with the election of officers, who will guide the Tekes through another school year. These men, upon whom the progress of the fraternity rest are: Bud Pohlman, president; Tom Koedertiz, vice-president; Ralph Moeller, treasurer; Bill Finegar, secretary; Mike DeLuca, pledge master; John Bartel, chaplain; Percy McCullah, historian and Ray Reschetz, sergeant at arms. Congratulations are in order for these men and we are wishing them all the luck in the world.

The men at the house are settling down for a long winters work, but it seems that a few men are restless, as they proceeded to come home from the local pubs thinking that they were on a hunting trip in "dark-est" India. The hunting party didn't arrive home empty handed as they captured that king of dogs, "Falstaff", and proceeded to bring him back alive and to release him in Bud Pohlman's room. The hunting party was headed by that famous guide, "Bring Back Alive" McCullah, with "Wild" Lou Astroth acting as the head pack mule. It seems that one bar in town has added a star studded floor show to its many attractions, because if you want to find any of the Tau Beta Phi men please don't come to the house. The reason that this group of men is willing to give up so much of their studying time is, because this star has worked out a new Math. and she even has the experts stumped. Before we bring this article to an end I would like to know if anyone could help Roger Schoepel with a little problem; it seems that he met a certain "Dottie" from the Scan Dolls and he isn't certain whether he is in love or just a passing fancy. The poor "little" fellow needs help.

CIVIL SERVICE OFFERS MORE ENGINEERS' JOBS

The United States Civil Service Commission has announced a new examination for filling positions in all branches of engineering. The salaries range from \$3,100 to \$10,000 a year. The positions are located in Washington, D. C., and vicinity. Sanitary engineer positions in the U. S. Public Health Service throughout the country will also be filled.

Applicants will not be required to take a written test. To qualify for the \$3,100 jobs, they must have completed a professional engineering course leading to a bachelor's degree, or they must have had 4 years of technical engineering experience. Students who expect to complete the required courses within 6 months may apply. For the higher grades, additional professional experience is required. Graduate study in engineering may be substituted for part or all (depending on the grade for which application is made) of the professional experience. The maximum age limit for the \$3,100 jobs is 35 years (waived for persons entitled to veteran preference). There is no maximum age limit for the higher grade positions.

Persons who have received eligible ratings since January 1, 1951 in any Engineer examination announced by the Commission's central office need not apply for this new examination as their names will be combined with those on the new registers.

Full information and application forms may be secured at most first and second-class post offices, from Civil Service regional offices, or direct from the United States Civil Service Commission in Washington, D. C. Applications will be accepted in the Commission's central office in Washington, D. C., until further notice.

MSM Student Tells of Life in Great Britain

Life in Great Britain, under the nationalization of its key industries by the Labor Government, was told by Phillip J. Clark of London, England, at the Rolla Chamber of Commerce luncheon Wednesday.

Clark, a graduate student at the School of Mines this fall, dealt particularly with the changes with the national health service, and the transportation and mining industries.

MSPE Hears Talk by Post-Dispatch Writer

Present efforts to develop the water resources of the Missouri River valley were discussed by Richard Baumhoff of St. Louis Post-Dispatch, at a meeting of the Rolla chapter, Missouri Society of Professional Engineers, Monday evening at Parker Hall.

Frank J. Bates is president of the Rolla chapter, and I. H. Lovett is secretary.

First ASME Meeting Proves Big Success

From the appearance of the large crowd at the first meeting, Wednesday, September 19, it looks like the ASME is headed for another prosperous year.

The big attraction of the evening was the talk delivered by Dr. A. J. Miles, Chairman of the Mechanical Engineering Department. In his talk Dr. Miles outlined the bright future ahead for young engineers and encouraged the professionalizing of Engineers. Those of you who did not hear Dr. Miles' talk, missed an interesting talk and a real morale booster.

The meeting also included a movie on "Trick Football Plays" by large college teams. This semester officers were introduced; they are Prof. G. L. Scofield, Honorary Chairman; Jack Thompson, Pres.; Lyle Nathews, Vice-Pres.; Dick Dever, Treas.; and Herb Akins, Sec. After the meeting refreshments were served.

The 1951-52 membership drive is on. This years drive includes the new Freshman membership at 1/4 the price of regular membership. We're anxious to see more of you freshman at our meetings. Anyone wishing to join may do so by seeing the Mechanical Engineering Secretary, Mrs. Harriet Ordeman or the ASME Secretary, Herb Akins. Lets keep the ASME at the top of the list of professional societies.

We'll see all of you at the next meeting, Wednesday, November 10, when Mr. J. T. Moseley of Carter Carburetor will speak.

The new student directory or the current school year is being distributed in the lobby of Parker Hall today. The directory is presented free of charge to all students as a service of Blue Key Fraternity. The Co-Editors for this years directory were Byron Keil and Joe Murphy.

THETA KAPS ELECT NEW OFFICERS: 16 PLEDGE

Now that everybody's back from "out in industry", the TKP crew is about ready to get rolling. By rolling is meant rolling out of the sack in time for that 8 o'clock. The boys who were out in the field are having a time getting used to school after three months of living like rubes. Among the rubes were Sonny Buescher, Frank Hergesell, Dale Modde, and Joe Murphy, who spent the red hot months in Fairbanks, Alaska. Buescher is waiting for cold weather so he can wade through the snow in his "mukluks". "Mukluks" are Eskimo fruit boots with hair.

At the first meeting, two new officers were elected to fill offices made vacant by ye olde probation list. Ted Algermissen was elected Treasurer, replacing Ed Gegg, and Ed Keil was elected Sergeant-at-arms, replacing Ted Algermissen, and Bob Schafer was elected Secretary, replacing Harold Crane.

It looks like a big year for the house judging from the number of pledges, the new pledges are Dick Rechten, Lou Hesse, Don Soehngen, Sam Gullotta, Bob Wethington, Ray Skubic, Joe Lesyna, Cyril Salvo, Bill Noonan, and Dick Van Buskirk. Carried over from last semester are Bob Barry, Bill Barbier, John Nowotny, Art Fuesting, and Steve Yallaly.

Bob Schafer, just back from the oil fields, says if all the Okies in Oklahoma were laid end to end, he'd just sit there and laugh.

Once more our house is graced with the presence of that famous French futbol player, "Arry Feetgeebahn, 'oo waxes hees moustache while he catches ze pass. Bob Suren is again with us this semester after taking time out to change the name of Miss Carroll to Mrs. Suren. Welcome home alumni.

M.S.M. Gains Prestige in Engineers Club of St. Louis

MINERS R.O.T.C. HEADED BY COL. GEORGE MARVIN

Col. George W. Marvin, Corps of engineers, has been appointed Professor Military Science and



COL. GEORGE MARVIN

Tactics at the Missouri School of Mines, according to a recent announcement here.

Colonel Marvin comes to the School of Mines from Fort Leonard Wood where he was Chief of Staff in the 6th Armored Division, replacing him in the 6th is Colonel Leonard L. Bingham, former Post S-4 at Fort Riley, Kansas.

Prior to his assignment with the "Super Sixth", Colonel Marvin was Chief of the Requirements Branch, Supply Division, G-4, U. S. Army, Washington, D. C.

A veteran of eleven years overseas service, Colonel Marvin has served in North Africa, Sicily, Hawaii, Panama, Italy, France, Germany and Greece. Colonel Marvin was Chief of the Requirements Branch, Supply Division, G-4, U. S. Army, Washington, D. C. Prior to his assignment in Washington, he spent two years on a military mission in Greece with a U. S. Army group.

His wartime service included participation in five major landings at such historic spots as Anzio and Salerno, Italy and San Rafael in Southern France, while with an engineer group.

Colonel Marvin's military decorations include the Distinguished Service Medal, the Silver Star with cluster, the Bronze Star and the purple heart, and the Combat Infantry Badge.

Assignments in the United States have included those in the Mobile, Alabama, and Omaha, Nebraska, engineer districts, and at Fort Belvoir, Virginia.

Temple U. Urges Student Discussion

Philadelphia, Pa. - (I.P.) - Student discussion of controversial topics is not limited by Temple University authorities but rather encouraged, according to Dean of Students Blair Knapp. He said that the University in chartering "certain" groups shows responsibility to the community.

"An organization to be chartered must state honest purposes and to what extent it represents students," Dean Knapp said. "A student may have an opinion as an individual. However, when students form a group to influence others to their way of thinking, then that group will be denied a charter."

Dean Knapp, who is also vice-president of student personnel, evaluated the role of student governments at colleges. "There is no area," he said, "in which we have made less progress than in student government."

MINER MEMBERSHIP OF 70 RATES FIRST PLACE

Among the Schools and Firms listed in the 1950 Yearbook of the Engineers Club of St. Louis, Washington U. rated first with 58 members and M.S.M. was in a 4 way tie for 13th place with 16 members. The goal to overtake Washington Univ. was surpassed by M.S.M. in the 1951 Club Yearbook with M.S.M. first with 70 members, Union Electric Co. of Mo. 2nd with 49, Sverdrup and Parcel, Consulting Engineers 3rd with 42 members, and Washington Univ. and City of St. Louis tied for 4th place with 40 members each. Each Yearbook reflects the membership as of about May 10 which means that the M.S.M. Student Club Members who were graduated in May and July of this year were still listed as students in the 1951 Occupational Directory.

M.S.M. MEN JOIN CLUB IN LARGE NUMBERS IN CLUB YEAR OF 1950-51

Club membership of M.S.M. men in the 1950 and 1951 Club Yearbooks with status reduced to September of each year is as follows: For 1950 - 101 Grads - 4 Students with 5 Faculty Members in 2 Departments, and for 1951 - 189 Grads - 30 Students with 14 Faculty Members in 7 Departments. Present club members from the faculty include Dean C. L. Wilson, Prof. A. J. Miles from ME, Prof. I. H. Lovett from EE, Prof. Dan Eppelsheimer from Met. E., Charles O. Reed, Jr. from Chem. E., J. B. Heagler, Jr., from Mechanics and 8 members from C. E. In addition from Rolla we have Dan Kennedy, Regional Engineer Topog Branch U.S.G.S., Harry Bolon, District Engineer Water Resources U. S. G. S., and Frank Bates, President Rolla Chapter M.S.P.E. as Club Members.

3 M.S.M. TEAMS OUT OF 14 ARE ON THE MEMBERSHIP COMMITTEE FOR THE CLUB YEAR OF 1951-52

Under Neil Stueck, M.S.M. 43 of Stupp Bros. Bridge and Iron Co. and Professors Butler and Carlton as Team Captains there are 13 committeemen including Prof. Eppelsheimer of Met. E., Prof. Lovett of EE, Prof. Miles of ME, and Wayne A. Hahne, Senior ME, Instructor Muir and Senne of CE and Ken Kleberger, Senior CE, Daniel Kennedy, U.S.G.S., Wm. Bachman BSME '50, George Juenger BSCE '49, Claude Marxer BSCE '35, Homer Stokes BSCE '38, and James (Continued to page 2)

North Central Illinois Offers New Courses

Naperville, Ill. - (I.P.) - North Central College will introduce a special curriculum for elementary teachers this fall. The new set-up differs from the curriculum presented last year by offering the regular B. A. degree and requiring the foreign language. The new curriculum offers several advantages. In the second year, the student may substitute certain approved courses for the foreign language. In addition, twenty-four hours of upper level credit will be accepted for graduation instead of the present 32 semester hours.

The changes will allow students sufficient time to meet all the requirements (five minors) for the elementary certificate by the time of graduation. This should enable the college to prepare better qualified teachers and make it possible to compete for the better elementary positions.

While the new curriculum includes no radical change in course offerings, there are several additions including courses in children's literature, and elementary reading.

THE MISSOURI MINER



THE MISSOURI MINER is the official publication of the students of the Missouri School of Mines and Metallurgy. It is published at Rolla Mo., every Friday during the school year. Entered as second class matter February 8, 1945 at the Post Office at Rolla, Mo. under the Act of March 3, 1879.

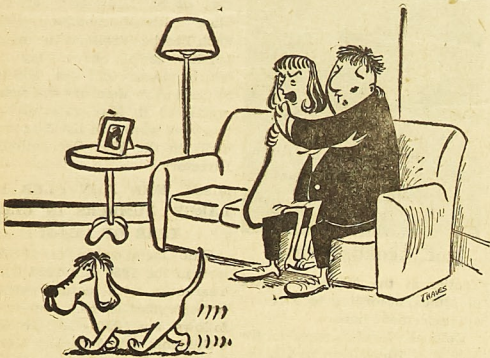
Subscription Price 75c per Semester. Single copy 5c (Featuring Activities of Students and Faculty of M.S.M.)

EDWARD L. CALCATERRA EDITOR-IN-CHIEF
707 State St. Phone 449

JACK H. THOMPSON BUSINESS MANAGER
9th and Bishop Phone 24

Senior Board

CLIFFORD W. DYE MANAGING EDITOR
RICHARD M. BOSSE ASSOCIATE EDITOR
FREEMAN P. McCULLAH SPORTS EDITOR
MICHAEL S. RODOLAKIS ADVERTISING MANAGER
JOHN E. EVANS CIRCULATION MANAGER
JAMES P. GOEDDEL EXCHANGE EDITOR
JOHN N. GOVATOS FEATURES EDITOR
RONALD C. REX SECRETARY



"There goes old blabbermouth, now the whole neighborhood'll know."

RANDYS Shoe Store and Modern Repair Shop

Across from the
post Office

Ethyl
21.9c Gal
All Taxes
Paid

Regular
20.9c Gal.
All Taxes
Paid

DIRECT FROM REFINERY
TO CONSUMER

Modern Cafe
Save with Perry

Perry Crescent

Service Station

Junction

Highway 66 & 63

LOWEST POSSIBLE PRICES

NOTICE!

22 Years Experience In
FINE WATCH REPAIRING
We will REPAIR YOUR
WATCH, COMPLETELY
and THOROUGHLY, at
a reasonable price

Free Estimate
All Work Done On A
Money Back Guarantee

J. J. FULLER
JEWELER
ROLLA, MO.

PAULSELL SHOE REPAIRING

"For Those Who Think of Appearance"
Phone 456 609 Pine

WITT CLEANERS

MISS VIOLA MCKINNEY
PICKUP and DELIVERY
110 W. 8th St. Phone 76

ENGR'S CLUB

(Continued from Page 1)

Rushing formerly Instructor in Mech. Drawing M.S.M. 60 additional M.S.M. Grads Students, and Instructors are assisting these three teams and other teams as Bird Dogs to help get new members.

MORE VALUE TO ENGINEERS CLUB OF ST. LOUIS MEMBERSHIP THIS YEAR

Club membership values to M.S.M. men increase directly with the number of our group who join the Club. In addition to dancing and bridge parties held each Saturday, open to members and ladies, there are scheduled each Thursday at 8:00 p.m. general and technical meetings in which there are 22 participating societies which include one or more Societies for each of M.S.M.'s 7 engineering curricula. With one or more M.S.M. Campus Club Members from each curricula it will be possible to get up car loads of members and guests to go in to the interesting programs. Some titles of attractive programs include "Plastic", "New Supersonic Test Center", "High Temperature Metals", "Structural Aluminum", "Jett Propulsion" by Rettaliata, "Guided Missiles", Electrocarbonization of Coal" by Dr. J. D. Forrester of M.S.M. on Rolla Night - Thursday, January 24 when St. Louis students will be home between semesters, "Protective Lighting for Industry", "Power Development in the St. Louis Area", "Glass Lined Chemical Equipment", and "Midget Wizardry in the Telephone Industry." A 1951-52 calendar of Club meetings along with a descriptive brochure and a Club membership application may be picked up by anyone interested, at the Engineers Club display in the First Floor Hall of Harris Hall.

Names with addresses have been compiled for 1143 M.S.M. Graduates in and near St. Louis and with the extension of the St. Louis area to a radius of about 67 miles it is expected to build up this list to around 1330 Graduates. Of this group at least 400 are younger graduates who can enjoy Club membership as Junior members at half rates as to dues and fees for from 5 to 10 years until they reach the age of 30 years. A list with names and addresses of our younger St. Louis area students show 390 men all being eligible for the attractive junior membership with half of the group being able to keep this membership from 10 to 12 years before reaching the age of 30 years.

Students who join the Engineers Club of St. Louis now are increasing their future employment prospects as well as in gaining social and professional contacts. Also by joining now and by helping sponsor new members our Club members will receive Complimentary tickets to the Annual Club Banquet in May and to monthly Membership Committee Dinners and at the same time earn credit toward gift certificates.

M.S.M. students, graduates, and faculty members who joined the Engineers Club of St. Louis during the last Club year really put M.S.M. on the map with engineers of the St. Louis area. Active interest among our M.S.M. men indicates that we can make an even bigger splash for M.S.M. for the current club

It's
De-Bitterized!
100% PURE
ALL-GRAIN BEER

Griesedieck
Bros.
PREMIUM LIGHT LAGER BEER

Griesedieck Bros., Brewery Co.
St. Louis 4, Mo.

BROYLES

Distributing Co.
ROLLA, MISSOURI

New Navy Schedule For College Exam

The Navy announced recently that the sixth nation-wide competitive examination for its College Training Program has been scheduled for December 8, 1951, and will be open to high school seniors or graduates within the age requirements. Successful candidates will be given a four-year college education at government expense and will be commissioned as officers of the Navy or Marine Corps upon graduation.

The program is open to male citizens of the United States between the ages of 17 and 21, and quotas have been assigned to each state and territory on the basis of its high school population. Those who are successful in passing the aptitude test will be interviewed and given physical examinations; then, if they are found in all respects qualified, their names will be submitted to state and territorial Selection Committees composed of prominent citizens and naval officers. The Navy expects to enter about 2,000 students into the program commencing with the fall term of college, 1952.

The students selected by these competitive examinations will be assigned to the 52 Naval Reserve Officers' Training Corps units which are located in various universities and colleges in the United States. If accepted by the college, they will be appointed Midshipmen, U.S.N.R., and will have their tuition, books, and normal fees paid for by the Government. In addition they will receive pay at the rate of \$50.00 a month for the four-year period. Upon graduation they may be commissioned as officers in the Regular Navy or Marine Corps and required to serve on active duty for two years. At the end of this time they may apply for retention in the Regular Navy

year if all Club members actively sell membership and all who are interested make it a point to join the club at the earliest possible moment.

Students at M.S.M. and all others residing and working outside of a circle of a radius of 18 miles from Club headquarters in St. Louis are classed as non-resident and shall pay one-third the rate of dues charged for those classed as resident. With the low rate for non-resident members there are many who never plan to work or live in St. Louis who are being attracted to Non-Resident membership in the Engineers Club of St. Louis. Among our students and engineers in Rolla many are joining with this in mind. The non-resident dues for Junior Members of the Club are \$5.00 per year payable after election as member. The entrance fee of \$10.00 for Junior Members should be submitted with the membership application.

All membership dues are exempted during time of non-resident service in Armed Forces of the U. S.



PHONE 799
Guaranteed
Repairing
BY
Expert
Watchmakers

All Work Checked
by Electronic Timer
YOUR ACCURATE

Christopher
Jeweler

TIME HEADQUARTERS
805 Pine St.

SNO-WITE GRILL "FINE FOODS"

OPEN SUNDAY EVENINGS 805 N. Rolla

or Marine Corps, or transfer to the Reserve and, depending upon the needs of the Service, return to civilian life.

Applications are available at high schools, colleges, and Navy Recruiting Stations.

Mr. Rex Z. Williams, Assoc. Dean of Mo. School of Mines College) who is acting at the Navy's local civilian representative, will be pleased to provide specific information about the program, including the time and place of the competitive examination, the method of making application, and the specific age and scholastic qualifications.

A tommyhawk is what if you go to sleep suddenly and wake up without hair, there is an Indian with.

Marines Accept Two Year Enlistments

The Marine Corps recruiting office in Jefferson City announces that, effective immediately, enlistments in the Marine Corps are being accepted for (2) two years, as well as (3) three and (4) four years. In the past men were accepted for three or four years only. Under this new program, all men who enlist for two years will be sent to the Marine Corps base in San Diego, California for eight weeks of recruit training. For information concerning (2) two year enlistments, write or visit the Marine Corps recruiting office, Room 208, Post Office building Jefferson City, Missouri.

Captain: "How many people on board?"
Mate: "Fifty-two."
Captain: "Pull up the gang-plank . . . that's a full deck."

Edwin Long Coffee Shop

- Serving -

GOOD FOOD AT
POPULAR PRICES



— Always First Run —
— Rolla, Mo. —

Fri., Sat., Sept. 28-29
Shows 7 and 9 P.M.
Kirk Douglas - Virginia Mayo
"ALONG THE GREAT
DIVIDE"

Added Attraction —
Exclusive - Official
Fight Films
SANDY SADLER
vs.
WILLIE PEP
Blow-by-Blow

Sun., Mon., Tue.,
Sept. 30-Oct. 1-2
Sun. continuous from 1 p. m.
Bing Crosby - Jane Wyman
"HERE COMES THE GROOM"

Wednesday, Oct. 3
One Night Only
Return Engagement
Mario Lanza - Ann Blyth
"THE GREAT CARUSO"

LET'S GO TO

The RITZ Rolla

— ALWAYS 70 DEGREES —

Fri., Sat., Sept. 28-29
DOUBLE FEATURE
Sat. Continuous from 1 P.M.
Glen Ford in
"FOLLOW THE SUN"
Donald Woods in
"BARBARY PIRATE"

Sun., Mon., Tue.,
Sept. 30 - Oct. 1-2
Sun. Continuous from 1 p. m.
— Admission 10c and 40c —
First Run in Rolla
Edmond O'Brien-Forrest Tucker
"WARPATH"

ROLLAMO THEATRE

— Rolla's Family Theater —

Fri., Sat., Sept. 28-29
DOUBLE FEATURE PROGRAM
Sat. Continuous from 1 p. m.
Admission.....10c and 25c
Stanford Jolley in
"LOST PLANET AIRMEN"

Johnny Mack Brown in
"COLORADO AMBUSH"
Sun., Mon., Sept. 30 - Oct. 1
Sun. Continuous from 1 p. m.
Admission.....10c and 25c
Roy Rogers - Penny Edwards
"HEART OF THE ROCKIES"

Tue., Wed., Oct. 2-3
Lum and Abner in
"SO THIS IS WASHINGTON"
Also Added Attraction
SADLER-PEP FIGHT
PICTURES

ROLLA



Box Office opens at 6:30 p.m.
Show starts at 7 p.m.
— Rain or Shine —

Fri., Sat., Sept. 28-29
DOUBLE FEATURE PROGRAM
John Wayne in
"SPOILERS OF THE SEA"
Jimmy Wakely - Dub Taylor
"BRAND OF FEAR"

Sun., Mon., Sept. 30 - Oct. 1
Joel McCrea - Alexis Smith
"SOUTH OF ST. LOUIS"

Tuesday, Oct. 2
—Dollar Night—
A Car Load for a Dollar
Gloria Winters - James Lydon
"HOT ROD"

Wed., Thu., Oct. 3-4
Dennis Morgan - Doris Day
"IT'S A GREAT FEELING"



ROLLA FREEZER LOCKER CO.

9th and Oak Phone 1458
FROZEN FOOD LOCKERS
WHOLESALE & RETAIL MEATS

A. E. Long, M.S.M., Ex '22 Lois S. Long William S. Jenks, Jr.
James E. Potts, M.S.M., '50 Dorothy Potts
LONG INSURANCE AGENCY
810 Pine St. "SERVICE IS OUR BUSINESS" Phone 251

HANCOCK DRUG & BEVERAGE

Liquors Draught Wine
Phone 109 1005 Pine St.

CHANNEY'S SERVICE

Expert Lubrication
Cities Service Gasoline

Ethyl 22.9c Regular 21.9c

Across from Fire Station — Wm. L. Chaney, Prop.

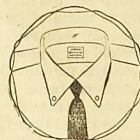
TUCKER DAIRY

ALWAYS ASK FOR —

TUCKER'S ICE CREAM

Rolla, Missouri

an Arrow "Gordon Oxford"
just went by!



America's Favorite
Campus Shirt \$4.50
Arrow Repp Ties \$2.50

ARROW SHIRTS & TIES

UNDERWEAR • HANDKERCHIEFS • SPORTS SHIRTS

Wash. U. Game

Tomorrow



F. P. McCULLAH

Sports Editor

Miners Eye First Victory In Game With Hilltoppers

The Missouri School of Mines journey to St. Louis Saturday to play the Washington U. Bears in the traditional battle between the two teams. This encounter will mark the thirtieth between the two institutions, and the Bears will be out to avenge the 34-19 defeat the Miners handed them last year. The Bruins of Washington U. are 'way ahead in the number of win column, as they boast a record of 23 wins, 5 defeats, and one tie. This battle between the two schools started in 1898 and it marks the opening game for the Washington U. Bears. Last year's Miner victory was a good shot in the arm, as they went on to capture the MIAA conference title and a victory Saturday would be a good morale builder for the team and would be an important factor in the team's conference chances.

The Miners suffered a hard fought defeat at the hands of Murray (Ky.) State last Saturday, and the team was beaten physically, as all the boys took good going over from the class State's team. Bullman will have an excellent chance this game, if he can put his first string offensive and defensive teams on the field. Several of the Silver and Gold's starters received injuries in either the Pittsburgh game or the Murray game and Bullman is uncertain if the men will be ready for action Saturday. The two teams are fairly equal on paper, but the Miners have two hard fought games under their belts while the Bears have just started to practice. These pre-games enabled the Miner squad to iron out their rough spots and to work on the combinations that will produce the most yardage and the ones that will hold the

opposition's scoring attack down to a minimum. Experience is what the team lacked and as the team continues to play the squad will round into winning shape that is Coach Bullman's trade mark. Washington U. also has a green squad to take the field Saturday, so this lack of returning lettermen will place the Bears on the same plane as the Miners and will produce a close battle.

Saturday's game will also create another type of battle on the gridiron as the two coach's sons will pit their football knowledge against one another. Coach Bullman's son is the Miner's quarterback while Washington U.'s coach has two sons to carry the field generalship for the Bruins. This will create an added interest in the game as the sons will try to display some of their father's excellent teachings. But, Coach Bullman is doubtful whether or not his son will play this week, as Dick Hampel made a very good showing in the Murray State game.

If Hampel continues to show that outstanding accuracy on his bullet passes, he may attain a permanent hold on the quarterback slot. The chances for the Miner team to achieve their first victory of the 1951 season looks very good and the fans are looking forward to a well played game by both sides, with the Silver and Gold coming off the field as the better team. The Miners are out to win this game and if a victory results it will be hard telling what the team's conference chances will be.

"Why the black crepe on the door? Is the roommate dead?"
"Black crepe nothing! That's the roommate's towel!"

ATHLETE of the MONTH



DICK HAMPEL

Pictured above is Dick Hampel, Athlete of the Month for September, as chosen by the M.C. Club. This is a title given each month to the player showing himself to be outstanding on the field of play.

Hampel is a sophomore in school and a member of Sigma Phi Epsilon social fraternity. He has two years left to play with the Miners and will be very important asset in the molding of future teams.

Thus far this season he has proved his worth by his frequent pass completions in the first two Miner contests. His play has also been sparkling on defense where he played most of last year.

Dick will be awarded a five dollar certificate good at one of the local stores.



The M.I.A.A. race appears to be a wide open affair with no team showing themselves to be outstanding in their pre-conference tilts. More can be determined after first round play next week when all six teams swing into action.

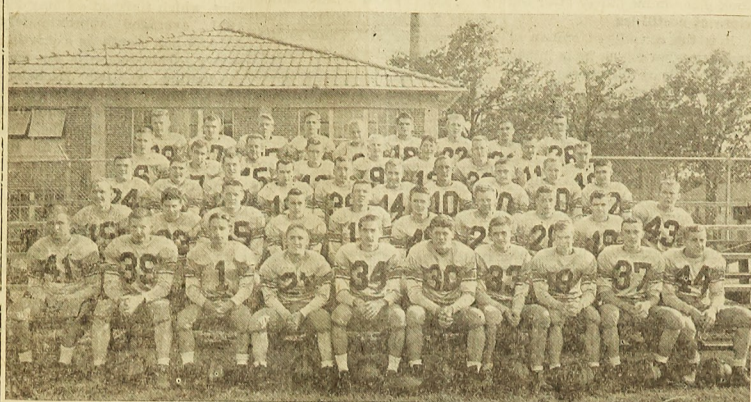
Probably the most important opening game will pit the defending champion Missouri Miners against Tatt Passes Mules from Warrensburg who are said to have an 80 plus squad and 20 returning lettermen. If the Miners are to successfully defend their crown this will be the one for them to win. The winner could very possibly go on to take the title. In their opening game Warrensburg was held to a deadlock by a strong team, Southwestern of Kansas, while the Miners were handed a 20 to 0 defeat by a better than average Pittsburg Teachers team.

Springfield Missouri's classy Bears will be out for early blood against Maryville and from all reports are the team to watch. The Bears won an easy opener at Conway Arkansas but were trampled by an Indian squad from Tahlequah, Oklahoma. They seem to have talent but lack winning spirit.

Elsewhere in the conference the Kirksville Bulldogs will tangle with the Cape Girardeau Indians who have already been dumped into the beaten class. Kirksville bagged their initial start by downing St. Benedict's of Kansas.

All in all it looks like any one's race and as past records show no one is to be counted out until the season ends.

MINER VARSITY, 1951



1st Row: Vanfossen, Ulz, Proctor, Neal, Huffman, Beverage, Broaddus, Marlow, Bullman, Sitko. 2nd Row: Jehlen, Hogan, Rucker, Huston, Tietjens, J. Weitzel, Stewart, Humphrey, Millar, Hook. 3rd Row: Cruse, Klobe, Mabie, Ruppert, Anderson, Geers, Koedding, Metcalf, Gjelsteen, P. Weitzel. 4th Row: Summers, Roemerma, Block, Matson, Morris, W. Smith, Bennett, Hampel. 5th Row: R. Sith, Akers, Reeg, Moeller, F. Smith, Schoepel, Bayer, Koederitz, Gerard.

Murray, Ky. Thoroughbreds Powerful; Miners Lose Second Tilt; Score 31-7

Proctor Goes for TD On Pass from Hampel

By Don Riemenschneider

The Missouri Miners, fighting for their first victory of the season, were covered deep by a surging herd of Murray State Thoroughbreds, 31-7, last Saturday night, September 22, before a crowd of 6,000 fans, at Murray, Kentucky. The Miners, making a fine recovery from the last encounter, lacked the extra penetrating power to crack the Blue and White line for maximum T.D. production.

First Quarter

The pick and shovel men received the opening kick-off from Murray's Cromwell, Koedding taking the ball for a net return of 13 yds. The Silver and Gold, first and ten to go, Hampel in the quarter-back slot, started their first offensive battle of the evening with Huffman, Proctor, and Koedding making successive runs all to no avail, so Hampel employed the airways at which time Murray intercepted on the Miner 49 yd. line. The Thoroughbreds, led by quarterback McDonald, tested the Miner defense and found it somewhat stiffer than expected and were forced to punt. Pete Weitzel took the punt on his own 25 yd. stripe and was hit hard on the return, fumbling and the Teachers recovering. Murray then launched a non-stop drive to the checked end-zones and an extra point making the score after 5 minutes of play 7-0.

The Hampel crew once again received the kick and clicked fine, taking an occasional loss, but picking up 3 first downs and 2 five-yard penalties. The picture began to look somewhat brighter for the moment, but the Thoroughbreds, noticing the reflection, stampeded the Miners and forced them to punt. The Blue and White, momentarily puzzled by the Rolla nine man defensive line, made a surprising quick-kick, giving the visitors possession of the playkin once more. The Miner passing attack was stopped again when a Hampel to Tietjens pass was intercepted by Murray. At this stage of the game Bud Morris and Ray Rucker, teamed up exceptionally well on defense to haul "spark-plug" McDonald for a 13 yd. loss forcing the home team to quick-kick a few plays later, which was fumbled, giving Rolla the ball on the Teachers 45 yd. marker. The Miners, launching their last drive of the first quarter, were still unable to move the opposing stonewall on the ground, but a screen pass from Hampel to Tietjens chalked up a 15 yd. gain for the Engineers and a first down. However, the last attempt proved futile as Hampel was tagged for a 7 yd. loss giving up possession on downs. The end of the first quarter found the Thoroughbreds again probing into Miner territory.

Second Quarter

Murray opened the second quarter in Miner zones, but failed to progress, as wide awake Pete Weitzel intercepted a McDonald aerial. The Silver and Grey's wobbly attack still wasn't sharp enough to collect a necessary first down and the Teachers were again on the move, this time for pay dirt as McDonald completed a 16 yd. pass to Witt, however, the conversion failed and the score remained 13-0.

Huffman received Cromwell's kick and made a 36 yd. return, chalking up the best run of the evening for the Miners. This was a fine start, but the Engineer's offensive line was again crushed by the huge Murray defensive men who, late in the quarter, intercepted a Hampel pass giving them control for the latter minutes of play. The under-dog Miners left the turf at half-time still scoreless and on the short end of a 13-0 tally.

Third Quarter

The Miners, somewhat refreshed from the half-time pep talk, came back with a desire, more burning than ever, to achieve their first T.D. of the season. It all started early in the quarter as Tom Koederitz recovered a Murray fumble. This was just the beginning as Hampel pounded Tietjens for a short gain, then fading back again to pass he found Proctor on the Murray 3 yd. line in the open and the Miners scored as Proctor raced into the end zone. Fred Smith, replacing Wohlert as the extra-point maker, successfully completed his first try with Houston holding. The big "7" looked much better on the record sheet than did the goose-egg previously seen, but the visitors from Missouri were still shy, 13-7.

Murray, on the offense, rolled nicely as H. B. Mittino, going through the left side of his line, cut loose for a cross-country jaunt of 40 yds. until stopped from behind by Fred Smith. Then a few plays later Jack Mains went 19 yds. non-stop, for another Thoroughbred score, boosting their lead to 19-7 as the conversion was incomplete.

The Silver and Gold, getting a fair share of tries, just couldn't collect enough first downs to go the route against the Kentuckians. The Teachers scored once more in this frame as a series of running plays carried the pigskin deep into Miner territory and then a Q.B. sneak completed the drive as Lafser scored. The conversion was no good and the score became 25-7.

The Engineer's last try of the quarter proved unsuccessful and the score stood 25-7.

Fourth Quarter

The last quarter saw the Thoroughbreds score only once which came early as Dunn plunged through the center and again the boot was foul, making the score 31-7. The Miner attack appeared spotted in this frame with many ups and downs. Bullman, replacing Hampel, set up a last do or die feat by completing 3 consecutive aeriels good for a total of 31 yds, but the steadily tightening Murray defense moved in for a 31-7 kill as the final gun sounded.

Considering the fact that four first stringers, Beverage, Vanfossen, Roemerma, and Geers, were missing, due to injuries received the previous week, the Miners made a fine stand against the Murray system who are rated among the top ten college teams around the nation.

Starting Lineups

Miner Offense

L.E., Tietjens; L.T., Ulz; L.G., Neal; C., Schoepel; R.G., Bennett; R.T., B. Smith; R.E., W. Smith; Q.B., Hampel; L.H., Proctor; R.H., Huffman; F.B. Koedding.

Miner Defense

L.E., Rucker; L.T., Cruse; L.G., Anderson; C., Ruppert; R.G., Murphy; R.T., Gjelsteen; R.E., Morris; Q.B., Weitzel, P.; L.H., Moeller; R.H., Koederitz; F.B., Bayer.

Murray State Lineups

L.E., Griffin; L.T., Herron; L.G., Russel; C., Higgason; R.G., Yancey; R.T., Haley; R.E., Cromwell; Q.B., McDonald; Witt (def); L.H., Mittino; R.H., Vineyard; F.B., Behrendt.

MINER'S 1951 SCHEDULE

Date	Opponent	Place	Time
Sept. 29	Washington U.	St. Louis	2:15
Oct. 6	Warrensburg	Rolla	2:15
Oct. 11	Maryville	Maryville	8:00
Oct. 19	Kirksville	Kirksville	8:00
Oct. 27	Springfield	Springfield	2:15
Nov. 3	Cape Girardeau	Rolla	2:15
Nov. 10	Fort Leonard Wood	Rolla	2:15

QUALITY CLEANERS

"A Trial Will Convince You"

DELIVERY SERVICE

108 West 7th

Phone 946

Gale Bullman

Coach Bullman, our athletic director, is one of the most qualified coaches in the country today, and we are proud to have him as coach of the MSM football team. After coaching under Bob Higgins, Dr. Al Sharpe and Jimmy Conzelman at Washington University he came to us in 1937. Incidentally while at Wash. U. he met and married his wife, a lovely coed.

We all know of the hard work that Coach Bullman had done in producing winning teams for the school since he has come. What we probably do not know is that Gale Bullman was one of the most brilliant all-around athletic stars ever to perform on the fields of this country. As captain of the W. Virginia Wesleyan football team in 1924, the year that this little known college whipped Syracuse, who were hailed that season as national champs, Gale played defensive end and alternated in the backfield, doing all the kicking, much of the running, some of the forward passing and a great deal of the pass receiving. More than that, he was a three sport star; captain of the football and basketball team and left fielder and leading batter of the baseball nine. In all he won 26 letters in his high school and college career.

His college career made him famous, but his experience did not stop there. After coaching for a year at Bucokhannon High, he played a season with the Columbus Tigers, professional football team of Columbus, Ohio, which included on its roster such names as Dynamite Gus Sonnenberg of Dartmouth and Eichenlaub, Notre Dame's deathless backfield star, and he was chosen as the most valuable end in professional football. The latter is an honor of which he is prouder than any other feat, prouder than being All-American.

Out of the many highlights in Bullman's career might include



GALE BULLMAN

that he never missed a minute of play in his eight years of play, due to injuries. He never had a substitute sent into the game for him. Also he never missed a pass, and he caught two passes that went for 21 yards while at W. Virginia. In two years he never missed a kick on the try for point after touchdown, and during his college career he scored on 48 out of 51 chances. He was a terrific punter averaging 95 yards against Washington and Jefferson.

He won two games with field goals, beating Navy with a 29 yard placement kick in 1924, winning from Bethany in the same year with a place kick of 41 yards, and booted two other goals, a 37 yard drop kick and a 19 yard placement.

At the close of two seasons Walter Camp named him for honorable mention on his all American team. In 1924 Grantland Rice, who did not then select official All-Americans, wrote of him as one of the finest ends in the country and he was given first team rating on half a dozen of the numerous All America selections of that year.

Besides all of his fine athletic achievements Gale Bullman was a very fine student in college.



The Intramural sports for this year got off to a fast start on a muddy track last Monday. The Tekes opened up the year by defeating Sig Ep by a score of 13-0. The two touchdowns were scored on pass plays complete to Norm Niemeyer and Bill Finegar. Percy McCullah heaved the ball on both touchdowns. The conversion was made by Don Riemenschneider.

In the other Monday game, Gamma Delta defeated Sigma Pi by the score of 19-6. Paul Egan was the star of the game. He made a 35 yard run for one of the touchdowns and completed two passes to Wayne Dannenbrink for the other two TD's. Sigma Pi's only touchdown was made by Williamson, who carried the ball over from the two yard line.

In the table tennis tournament Kappa Sig and Triangle advanced in the singles winner's bracket by defeating Theta Xi and Pi Kappa Alpha respectively. In the doubles bracket Theta Kappa Phi beat AEPI.

He studied law while coaching at Washington U. and passed the Missouri bar examination in 1929.

The Miners were admitted to the M.I.A.A. conference in 1935, but failed to win a conference game in the first two years of competition. Then came Gale Bullman to the School of Mines in 1937 as head coach. It was in 1938 that Coach Bullman's fine eleven snapped Cape Girardeau's long winning streak by a 35 to 0 victory, and ended up the season with a five won, three lost record.

Bullman stayed and coached the Miners to victory for five years. In 1942, after having done a good job of coaching at MSM he was admitted into the Navy and stayed there till 1946 when he returned to Rolla. With his returning, the largest squad in the history of the school at that time, turned out for football that year. His team won three conference games and lost only to Springfield and tied Kirksville 13-13.

The coming of the 1947 season saw Bullman's Miners stronger than ever. They were easily the outstanding team in the conference and lost only one game to Springfield. The 1948 team was as low in the standing as his team has ever been, third place.

The 1949 team, behind the able coaching of Bullman got away to a bad start losing the first two games of the year. After that Bullman got the team under control and went on to set a record for the school by winning the conference, undefeated in conference play.

The 1950 season was another fine showing for Bullman's team. After trailing Springfield by 20 points at the half, the Miners went on to win, what seemed to be a lost game, by the score of 35 to 34. Some people are still wondering what Gale Bullman told his men between the half, that changed them from a fumbling bunch of idiots into a charging mass of dynamite. Bullman's Miners went on to win their second straight MIAA championship that year and also to take part in the Corn Bowl, beating Illinois Normal 7 to 6 to close the season.

With an outstanding record like this, it is no wonder that Gale Bullman is the people's choice as well as players, on or off the field. With his knack in getting the most out of his players he is sure to make this school even more conscious of his presence here. We have a great man in our presence, and he is doing wonders from the bench, as his records have proven. With his know how and experience, Bullman will be an asset to the school as long as he remains here. Let's all hope it will be a long time.

LERS NEEDED

(Continued from Page 1)
Educational Testing Service, which has prepared the test to be used in these procedures and which will be in charge of its scoring, has made a comparison of the new test with the engineering aptitude test which his service has been administering for several years. He estimates that the average engineering student will probably do better on the test than will the average college student, and that on the combination of class standing and test scores the percentage of engineering students who will be eligible for deferment may be as high as 70 per cent for freshmen, 77 per cent for sophomores, and 85 per cent for juniors.

If this "military attrition" represented the total losses of students during a college course, we could expect to graduate during the next four years about the same numbers of engineers that have previously been predicted from a consideration of "normal attrition" factors. In 1951 there would be no change, since it is not expected that any seniors will be removed from college prior to their graduation. For 1952 we could expect to graduate 85 per cent of the present 34,000 juniors, or about 26,000 men. In 1953 we could expect to gradu-

ate 85 per cent of 77 per cent of the present 31,000 sophomores, or a total of 20,000. In 1954 we should graduate 46 per cent (85 per cent x 77 per cent x 70 per cent) of the 34,000 who are now freshmen, or a total of 16,000.

Normal Attrition

In addition to the military attrition however, the normal kinds of attrition will also be taking their toll of college students. The chief factors in the normal attrition are scholastic failure, financial and family difficulties, sickness, and change of major interest on the part of the student. No exact figures can possibly be presented as to the effect on these normal kinds of attrition of the program of Selective Service. However, some rough estimates may be worthy of consideration.

New Attrition Factors

There will be, in addition to military attrition and normal attrition, two new kinds of attrition to be considered. These are voluntary enlistments and failure to return to engineering after military service. Voluntary enlistments may prove to be a considerable factor temporarily, but their net effect will be merely to place the period during which the graduation of these men is postponed a little earlier than it would have been had the student not enlisted. As to the failure to

return to engineering after military service, the number of men who fail to return may well be balanced or even exceeded by the number who are attracted to engineering for the first time by their military experiences. Such experiences during World War II accounted for a considerable part of the tremendous increase in engineering enrollments which took place immediately after the close of hostilities.

It is the considered opinion of the writer, in which he is joined by other staff members of the Office of Education and by representatives of the Manpower and Employment Statistical Division of the Bureau of Labor Statistics, that the net effect of all these attrition forces will be to produce over the next few years about the same number of engineering graduates which would be expected under normal attrition rates, or, in other words, the numbers shown in column 2 of Table 1. When these figures are contrasted with the estimated annual need of 30,000 engineers, the outlook for the Nation is not encouraging.

But when we try to estimate the number of these engineering graduates who will be available for industrial employment, the picture is still less hopeful.

Selective Service Deferments

Te new Selective Service regulations concerning the deferment of college students have apparently led many persons to think that all students who can either meet the requirement of a certain rank in college class or can make a specified score on the test will be excused from military service, that they can proceed to graduation, and that then they will be available for industrial employment.

Actually, students who meet these requirements are only eligible for deferment if their local board wishes to defer them, and even then they are only deferred—not excused—and in general are all destined for military service upon graduation. It is true that Selective Service regulations provide a period of 30 days following graduation for a man to secure employment in defense industries. If during that time a man is able to establish himself

PLACEMENT SERVICE

(Continued from Page 1)

the fall of 1950 were small classes. Those classes are the ones which will be finishing in 1953 and 1954. It is not anticipated that the freshmen class in the fall of 1951 will be a very large one, and this will produce another small graduating class in 1955. From information which has been received from other schools and from industrial representatives, it looks as

as a necessary man in a defense industry, who cannot be taken for military service without a severe injury to the defense effort, his deferment may be extended. This is a stipulation which will be very difficult for the average new college graduate to meet, although it is possible that a few may do so. Even these will still be liable for military service up to the age of 35.

How Many for Industry

This all means, in effect, that the only engineering graduates who can be counted on as available to industry will be the 4-F's, the women, and the veterans who are not receiving commissions or who are not enrolled in a reserve component. The number of women enrolled in engineering colleges is so small numerically that they will be omitted from further consideration in this study, except to remark that it might be desirable for the engineering profession to study the idea of attempting to increase their number in the future.

A sampling survey recently conducted by the Engineering Manpower Commission of Engineers Joint Council indicated that in engineering colleges approximately 11 per cent of those receiving degrees this year would receive commissions in the Armed Forces as a result of ROTC training. Presumably all these men will be called into active service. Another 16 per cent of those expecting to graduate were reported as being enlisted members of the Armed Forces Reserves. It seems reasonable to assume that approximately half of these men will be called to active duty.

if other engineering schools will be in about the same position as the School of Mines. All of this points to favorable employment opportunities for the young men studying engineering.

The shortage of young engineers plus the general inflationary trend has caused a rather rapid increase in starting salaries for young engineers. The class which finished on May 29, 1951, averaged approximately \$314.00 per month as a starting salary. This figure is for men graduating at the Bachelors level. Men at the Masters level started at approximately \$350.00 per month on the average. The starting salaries quoted for the May 29 graduates compare to January 24, 1951 starting salaries of \$295.00 for Bachelors and \$327.00 for Masters. In June of 1950 the Bachelors averaged approximately \$270.00 per month. It is, of course, impossible to predict whether or not this upward trend will continue, but it certainly is a fact

that the college graduates are starting at attractive salaries.

In Every Part of U. S.

The 1951 graduates have spread into almost every part of the United States and to a number of foreign countries. Most of the young men went to industry, but an appreciable percentage went into teaching as a profession, while an even larger group are continuing in school for graduate study. Many of the men transferred to other schools for their second degrees. It is to be expected, of course,

that graduates who are members of military reserve units are in some cases being called through selective service. It is gratifying to know, however, that many of the men who are called to military service are given assignments in which they can use their technical training.

"I want something big—something clean."

"Why don't you wash an elephant?"

MODERN
Dry Cleaners
PHONE 392
9th and Pine

TABLE 1. Estimate of Number of Young Engineers Available to Industry. (To nearest thousand).

Year	Engineering graduates	Per cent liable for military service	Number of new graduates available to industry	Number returned from military service	Total number available to industry
(1)	(2)	(3)	(4)	(5)	(6)
1951	38	50%	19	—	19
1952	26	55%	12	—	12
1953	20	75%	5	19	24
1954	17	80%	3	14	17

DOUBLE YOUR MONEY BACK

If Our Sanitone Dry Cleaning Isn't the Best in Town!

COMPARE THIS MIRACLE SERVICE TODAY ON THIS

AMAZING MONEY-BACK OFFER!



When you know a product's better you can back it to the hilt. That's why we're making this sensational offer to introduce Sanitone Dry Cleaning to everyone in town. Just bring in any garment and let us give it this new and better kind of dry cleaning. If you don't agree that it's the best in town, we'll pay you twice the cleaning charges. See for yourself how more dirt is removed, how colors and patterns come back to life. Spots vanish like magic. No trace of stale dry cleaning odors. Better press lasts longer. Why not try it today—you don't risk a cent! We'll be looking for you.

BUSY BEE LAUNDRY DRY CLEANERS

708 PINE

PHONE 555

14TH AT OAK ST

CHESTERFIELD—LARGEST SELLING CIGARETTE IN AMERICA'S COLLEGES

AT NORTHWESTERN

Walker Brothers

We certify that Chesterfield is our largest selling cigarette by 2 to 1

SIGNED *W. Walker* PROPRIETOR

2 to 1

Because of **MILDNESS**

Plus **NO UNPLEASANT AFTER-TASTE**

...AND ONLY CHESTERFIELD HAS IT!

Copyright 1951, LIGGETT & MYERS TOBACCO CO.