THE CITY COLLEGE OF NEW YORK

TECH NEWS

SCHOOL OF TECHNOLOGY

VOL. V NO. 4 THURSDAY, NOVEMBER 15, 1956 BY STUDENT FEES

DECORUM FORUM SET FOR TODAY

Do you remember the last time you stood there gaping with your mouth wide open as you desperately tried to recall the name of the persons you were introducing to one of your companions? Would you just blush and apologize for your poor memory or would you try to bluff your way through? The solution to this and other embarrassing situations is the topic for today's Personal Development Program.

The meeting, which will be held in Rm 217 Finley at 5 P.M., will also present the somewhat more practical problems that the neophyte engineer may be confronted with, namely - the right way to act if invited to the employer's home for dinner and the general problem of how to maintain the proper business decorum.

DR. DAVIDSON TO LEAD DISCUSSION

Dr. Davidson of the Speech Department will lead a discussion entitled, "Your Best Foot Forward". Situations that fall under the domain of "Business Etiquette" will be bandied about. Among them, for example, are such themes as *when you're playing the boss a round of golf, by how much do you lose?*

Dave Stahl, ChE '57, reports that after a situation has been created, a student will be asked for the remedy he would prescribe and after the entire group has been heard, the discussion leader will point out the correct solution and show why the other attempts will lead to undue discomfort.

K.Q.

SUMMER JOB PROGRAM ANNOUNCED

ENGINEERING FIRMS TO INTERVIEW STUDENTS ON CAMPUS FOR SUMMER JOBS

MR. BRENNER
PLACEMENT OFFICE DIRECTOR

Mr. Brenner, of the Placement Office, announced that an effort is being made to have prominent companies visit the campus to interview sophomores, juniors, and lower seniors for summer jobs. Previously, the Tech students who desired summer employment found it necessary to seek, on their own, those companies with summer job programs. They were also burdened with the expenditure of both time and money. Interviews on campus strictly for summer employment is a new development and its success depends upon student participation. There will be an orientation program Monday, December 17, from 4:30 - 6:30 in Townsend Harris Auditorium, where students will be informed about interview procedures. Some of the points to be covered are: how to conduct one's self at an interview and the procedures involved in selecting companies for interviews.

Mr. Brenner has obtained these prospective summer jobs by asking the 200-300 companies, who visit or contact the campus in quest of graduating seniors, if it would be to their advantage to hire undergraduates.

In addition to the above program, TIIC, in cooperation with the Placement Office, has recently conducted a survey among engineering students who have been employed in technical positions this summer. Those companies which employed CCNY students will also be invited to come to the College to interview Techmen for summer positions.

TBΠ ELECTS 34

Tau Beta Pi elected its largest pledge group since the Spring of 1951, on Saturday, October 27, 1956. The brothers of New York Beta chapter, and the editors of TECH NEWS congratulate these 34, who are:

UPPER SENIORS: Al Applebaum, Leo Bluestein, Dave Grodsky, Oscar Rosenes, Marty Rush, Irving Smith, EE's; Steve Karidas, Shelly Pinsley, Leon Stabinsky, Leon Ziegler, ME's; Fred Edelstein, Donald Gluck, Sam Kriegel, Ed Purves, Steve Wachtel, ChE's.
LOWER SENIORS: Paul Alper, Nat Stochel, William Streifer, Nick Voulgaris, Fred Zwas, EE's; Dave Alster, Walter Lenz, Gil Silverman, Bob Weinberg, ME's; Fred Cataneo, Mike Epstein, Jim Kehoe, Harold Klein, Kurt Muenz, Arnold Stancell, ChE's; Gerald Bergh, Larry Powers, CE's.
UPPER JUNIORS: Don Silverman and Nat Yagoda, both EE's.

Tech News

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INDIFFERENCE TO IMPROVEMENT

It has been a constant policy of all the student publications and organizations to urge students to take part in college activities outside the classroom. This appeal is virtually taken for granted by most students; it is an expected thing. Participation in extra-curricular activities is a privilege for a member of a free student body. The benefits obtained are primarily for the individual who does the participating. From the individual's participation the school benefits as a whole. It is most discouraging for this newspaper to view the apathy of the Tech student body.

One of the most diligent organizations on behalf of the interests of the Tech students is the Technological Intersociety Interfraternity Council (TIIC). This organization, which is comprised of representatives of all the engineering societies and fraternities, has for many years coordinated activities in the School of Technology; it is the organization which coordinates the Engineers' Day held annually in the spring semester.

In response to the need of City College engineering students to obtain training in other areas besides technical courses, TIIC inaugurated their Leadership Development Program. The original purpose of this program was to give promising senior students an opportunity to develop social skills. The participating students were given a chance to become familiar with such things as after-dinner speeches, the taking of interviews with prospective employers, and many other practical activities used in day to day living. At first the opportunity to take part in the Leadership Development Program was given by invitation only. To attend meetings of the program was considered a privilege. More recently, TIIC decided that it should not only be a benefit to certain students but that the L.D.P. should benefit the entire student body. Thus, L.D.P. or as it is known today, the Personal Development Program, was thrown open to the entire student body (including the School of Liberal Arts).

Instead of being welcomed by the student body, the Personal Development Program has found it difficult to obtain ten people to attend one of their meetings. This is startling in view of the constant urgings made by members of the faculty and others, that City College students definitely need training in areas other than those provided in their courses. In this issue Professor Finkel, Chairman of the Speech Department, again emphasized this need (See page 4).

The benefits derived, in all probability, will not be evident for many years. But in a recent survey, the results of which were discussed in TECH NEWS, it was pointed out that the ability to get along with people and to adequately express oneself was a major factor in professional advancement. The opportunity for self-improvement is here; the rest is up to the student.

TECH CROSSROADS

HONOR ROLL

TECH NEWS wishes to congratulate the following upon their attainment of Second Year Honors:

HIGHEST HONORS
James Kehoe

HIGH HONORS
Elliot Nagelberg
Stanley Small

HONORS
Albert Alloggiamento, Samuel Bergman, Alvin Clorfeine, Michael Epstein, Terrence Fine, George Frank, Edward Gelerinter, Herman Glick, Robert Golub, Martin Hartmann, Stanley Herzog, Kay Klemm, Irwin Lampert, Peter Lucchesi, Thomas Micklow, Arnold Novick, John O'Brien, Pellegrino Papa, Irwin Rosenstein, Alfred Samotsky, Irwin Share and Robert Steinhacker.

PI TAU TO INDUCT

For the first time in 14 years, the Pi Beta Chapter of Pi Tau Sigma has elected graduating seniors to the fraternity. Upon receiving permission from the National Council, Sanford Friedfeld and Vladimir Nejezchleb will be inducted into the Mechanical Engineering Honor Fraternity.

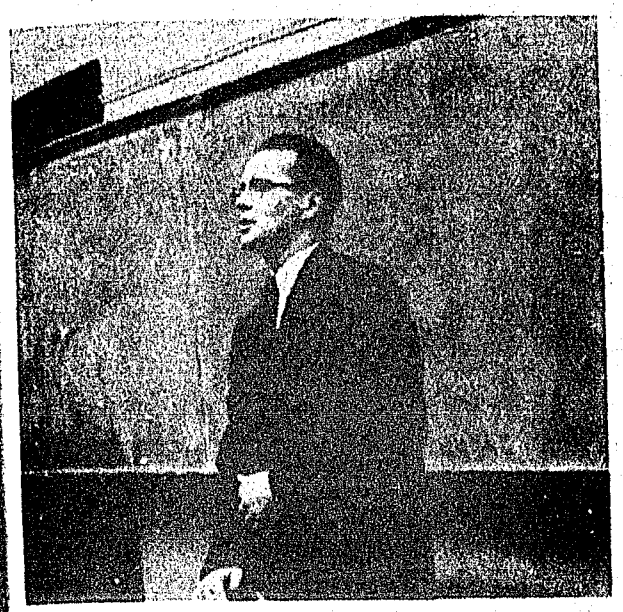
EGO

When in your class
Seated 'pon your mass
Do not fall asleep
But listen for each peep
That issues from that creature
Who calls himself your teacher.
You may know more than he
But listen close to me
What he says, he "knows" is
right
So on an exam you just write
His self same words repeated
again
And while stroking your "A" with
his pen
He'll say look see
Here is a man who is right, just
as ME.

M.V. Bergamo, EE'5

NEW REACTOR SLATED FOR N.Y.

BY ELLIOT DEMBNER, ME '58



REACTOR TALK BEFORE ME GATHERING

The construction of a nuclear power plant twenty-four miles north of New York next year was the prediction made by Mr. W. B. White, representative of Con Edison of New York, Inc., at the ASME meeting on Nov. 1. Mr. White, an ME from B'klyn Poly (1930) with two years experience on atomic sub reactors, related the unclassified details of Con Edison's plan to build an Indian Point Nuclear Generating Station on a 350 acre site in Buchanan, New York, just south of Peekskill on the Hudson River. The rock-like gravel and mountainous terrain makes this location an ideal spot since it is free from seismic disturbances.

It was estimated that the core of the reactor could generate 700 million BTU/hr. The water cycle was outlined as follows: water enters the bottom of the reactor through the core, picks up heat by a process of natural circulation heat exchange and then the steam is superheated by an oil burner; thence expanded through turbine to a condenser and then back to the boiler feed pumps.

High purity water must be used or else the water becomes activated and the problem of corrosion presents itself to a marked degree. To resolve this problem non-corrosive materials like stainless steel are considered.

Although the steam leaving the boiler is not radioactive, the reactor itself must be encased by a concrete shield, 2½' thick according to an A.E.C. ruling.

Four boilers made by the Babcock Wilcox Company are to be used. Each measures 68 feet in length and has a capacity of 500,000 lbs steam at 420 psi & 450°F, while the reactor operating pressure is 1500 psi. Relief valves are provided to let off excess pressure build ups.

Besides the nuclear plant, there will be an emergency plant built containing two generators, one of which will be in continuous operation.

COMING EVENTS

With society programs now in full swing, we would like to urge all Techmen to actively support their organizations. This not only entails attending meetings, but also constructively criticizing the various programs so that topics of interest to you can be planned for future meetings.

Today's varied and interesting lectures deal with antibiotics, aviation, vacuum tubes, and France.

AIChE - Dr. R. N. Shoemaker of Chas. Pfizer and Co., who officially greeted Chem E's on their plant trip course to that company, will lecture on the production of antibiotics in Room H103.

ASCE - The role of the civil engineer in aircraft design will be the topic to be discussed by Mr. I. Singer of Republic Aviation in room G107.

AIEE-IRE - Mr. R. C. Fortin of the Receiving Tube Development Devision of R.C.A. will talk on the construction of vacuum tubes in Room S126.

ASME, SAE, ASTE - Slide rules can be left home today when Pi Tau Sigma, in conjunction with ASME, introduces Prof. Gille, Chairman of the Romance Language Dept. Prof. Gille will speak on "France and Her People" in Room H017.

Beaver Broadcaster (WCC) will have its meeting in Room 428 Finley. Miss Lillian Okum, program director of WMCA, will speak on programming aspects of radio broadcasting. All persons interested in the technical phase of this station are urged to attend. The announcing class will meet in Room 343.

SAME - On Nov. 28, films entitled "New Power for Flight", "How Not to Conduct a Meeting", "Basic Principles of Lubrication", and "Sand and Flame" will be shown. The following Wednesday, Dec. 5, the military uses of electronic computers will be discussed. Both meetings will be held in Drill Hall at 5 P.M.

LECTURES SCHEDULED FOR NOVEMBER 29th

AIChE - Arthur Godfrey fans and others will be enlightened when Mr. John H. Nair of Thomas J. Lipton Inc. discusses food engineering problems concerned with the production of tea in Room H103.

ASCE - Films, "Building of the U.N." and "Earth Dams" will be shown in Room G107.

AIEE-IRE - A business meeting will be held. Consult bulletin board for further details.

ASME, ASTE, SAE - With the aid of slides, Mr. Weindling of the Korfund Co., Inc. will speak on "Shock and Vibration Control" in Room H107.

TRIPS PLANNED

A trip to ALCOA is tentatively planned for Nov. 17 by ASME, SAE and ASTE. Between Nov. 22 and Nov. 30 this same group will visit the Coliseum Power Show.

ASCE is planning a field trip to the Garden State Parkway Extension on Nov. 23. For further information concerning these trips consult the bulletin boards.

JOIN TECH NEWS

VECTOR OUT NEXT WEEK

The fall issue of VECTOR, the Tech School's engineering magazine, will be on sale next week and promises to be one of the best in recent years. The contents are varied and every techmen will find something in the magazine of primary interest and value.

The lead article is a "Summer Job Symposium" which contains the personal reaction of several students to the various jobs they held this summer. The article should prove of value to those of us who have not had summer engineering jobs and also to those of us who have not worked in these particular fields. Presenting a panorama of technical experience, it allows the reader to select, from the student's point of view, a possible future position. The article implicitly presents criteria by which elective courses may be selected.

Another lead article is the prize winning Tau Beta Pi essay, "Society and the Engineer", a penetrating study of the position of technology and technologists in our culture. An unsung, but extremely important material, magnet wire, is the subject of a feature article written from the applications and manufacturing points of view.

"Aesthetics, Bridges and Engineers", an article which is very well titled, rounds out the featured material in the issue.

Keep up with the advances in industry by reading "Industrial Highlights" and meet four new tech faculty members in the familiar "Profiles" column.

It's a great issue. Watch for it.

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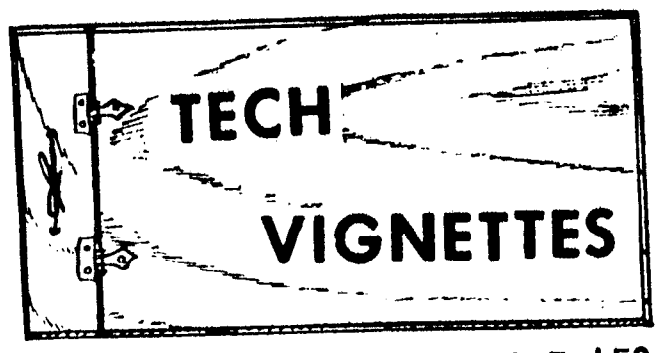
ACTIVITIES FAIR TODAY

The Activities Fair will be held today at the Grand Ballroom in Finley Center.

Numerous organizations will participate in the Fair with interesting displays.

Come all, come today; you will be delighted if you do.



BY RONALD ROTHENBERG, CHE '58

The ability to communicate, verbally or in writing, is of the utmost importance to the engineer who desires to advance. That thought proved to be the essence of an interview with Professor Finkel, Chairman of the Speech Department.

The Professor discussed the importance of verbal communication in the career of the engineer. Of necessity, speech in the engineering class is precise and technical in contrast to ordinary conversational speech, which has greater variety in ideas and

PROFESSOR FINKEL

length. Generally the Tech student's great difficulty with speech arises from his lack of knowledge of the various devices and techniques of speech and lack of experience in their use.

Professor Finkel spoke of the problem of teaching and communication. Many a person, brilliant in his field, is a poor teacher because of his inability to present his subject. Since speech involves the presentation of ideas in a logical sequence, the inability to teach is connected with an inability to speak.

Professor Finkel is in the process of preparing a pamphlet, on the importance of speech, which should be of vital interest to engineers. He is also preparing a speech elective course, mainly for engineers, which will include interview preparation and oral presentation of technical reports besides instruction in speech in a non-technical environment. The course will include tape recordings of the student's speech before an audience, as well as private conferences.

Statistics show that for the first five years in the field, the City man's advance is greater than that of alumni from other schools. However, after that period, the Cityite remains relatively stagnant, while others advance to higher positions.

There are several possible explanations, all related to the engineer's ability to lead, communicate, and get along with others. Engineers from other institutions are, generally speaking, more polished than the City College graduate. Perhaps it is this suavity, which may be attributed to a higher economic and social status, that enables them to advance to higher positions.

The data adduced from the above should instill a greater respect for cultural development in the City College man. Logical thinking and expression are as powerful a tool as engineering knowledge, and it is clear that all these attributes can be developed at the College.

Professor Finkel is hopeful that the Tech student will cultivate a new attitude towards speech and other Liberal Arts courses, as soon as he realizes the benefits he can derive from them. The Professor believes that a mingling of liberal arts students and engineering students in non-technical courses will benefit all, and will result in an expansion of interests and a cultivation and appreciation of the arts.

◆

ALL COLLEGE PROM STAGED

The All College Prom will be held on Thursday, November 22 at 8:30 P.M. in the Waldorf Astoria ballroom. Table reservations can be made at House Plan, room 331 Finley Center. Tickets will be $5.00 per couple.

Tickets are selling rapidly, so make your reservations now!

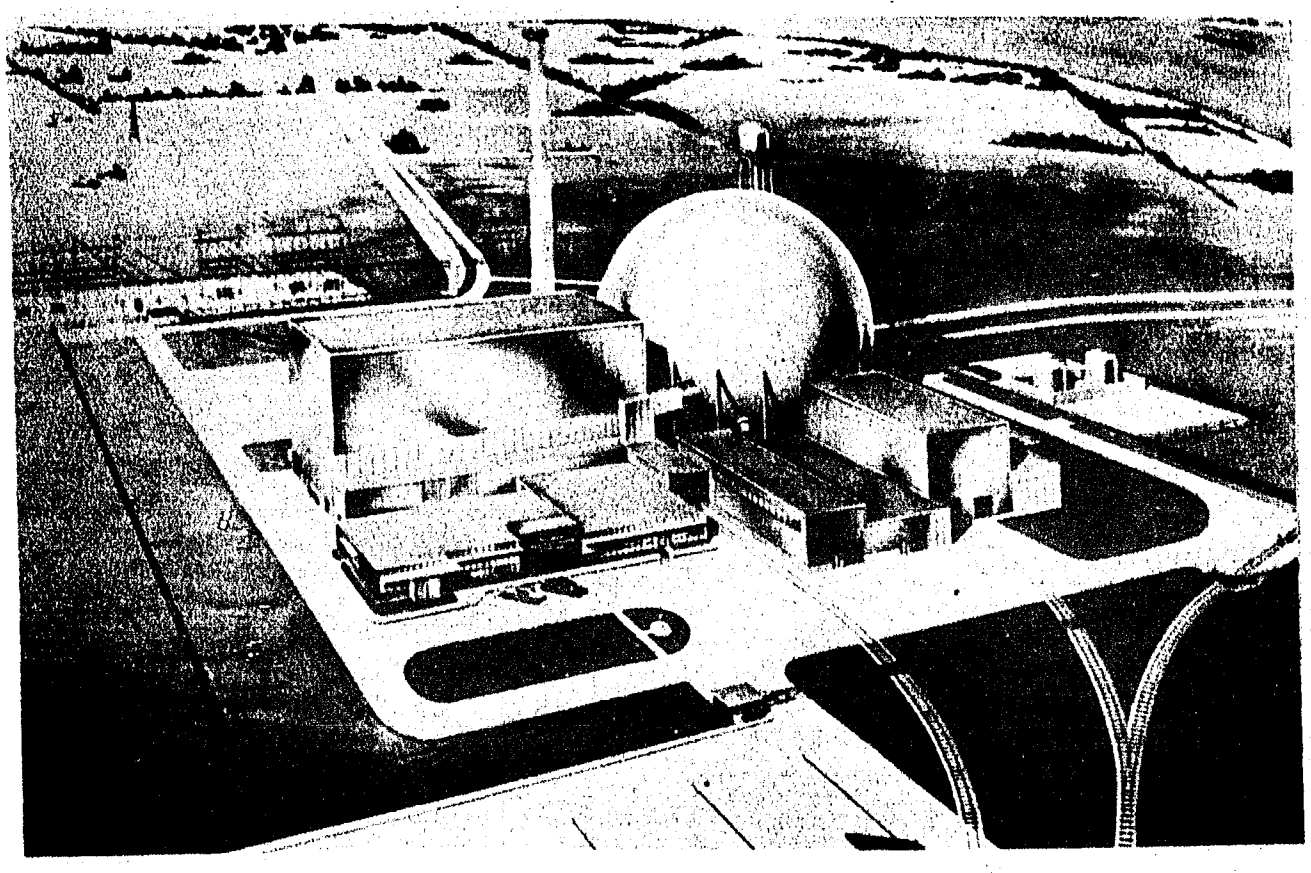
— OPPORTUNITIES UNLIMITED —

The following article was written by Dick O'Malley, Evening Session, who also works as a Technical Assistant for the American Gas and Electric Co.

Generally speaking, a discussion of the power field is not the normal province of a student, but the utility industry has shown itself to be either afraid to try and sell themselves or cocksure that each and every engineering graduate knows exactly what the industry has to offer. However, experience with the students and instructors here at CCNY indicates that the industry is making a grave mistake because the majority of students are developing a very low opinion of the industry.

Typical comment from graduating engineers: "Me go to work for a Power Company? You must be carzy! I can make twice as much in another industry and besides there are no real challenging engineering problems facing the power industry. My instructor told me that the utilities solved all their major problems twenty years ago. Why a utility engineer is nothing more than a glorified electrician or plumber!"

It has been predicted by the past president of the Edison Electric Institute that the investor-owned public utilities will spend 75 billion dollars to expand their generating, transmission and distribution facilities in the next 20 years. Quite naturally no competent management would consider expanding the physical facilities of a company without an analysis of existing facilities and expected growth of consumer demand. The power industry faces a problem which is unique and entirely dissimilar from that encountered in the manufacturing industry. Electricity is a product which cannot be stored in any appreciable quantity, and consequently the power industry must have sufficient capacity to meet the maximum possible consumer demand at any instant. Unfortunately the utilities can't gaze into a crystal ball, and so they must depend upon competent engineering skill to foresee future demands. Expansion or normal operation of a power system require maximum technological skill to develop and take advantage of the most economical method of operation.



THE DESIGN FOR A NEW $45,000,000 NUCLEAR POWER STATION. THE NUCLEAR REACTOR WILL BE HOUSED IN A STEEL SPHERE 190 FEET IN DIAMETER.

Since the utility industry is basically an engineering industry, it is not surprising that engineers occupy a high percentage of top management. In American Gas and Electric Company, one of the largest power companies in the world, 74% of the top positions are held by engineers. No figures are available on a nation-wide basis, but the consensus indicates that engineers occupy at least 40% of the top managerial jobs in the utility field. The most promising thing about this ratio is that as people retire the percentage of engineering personnel in management will increase steadily. The power business has admitted that it cannot grow or thrive if deprived of engineering talent in positions of authority. Consequently it encourages engineers to move up into management.

The utility industry is carrying on extensive experimentation to determine the most efficient method of using nuclear fuel to generate electricity. There are as many proposed methods of using this fuel as there are people engaged in this research. Several companies have already started to construct atomic powered generating plants, some of which will be in service by 1960. The advances which must be made in reactor technology will be made by the young utility engineers just as the great advances in fossil fuel development were made by the young utility engineers of 20 years ago.

The position of the electric utility industry on atomic energy was expressed by Philip Sporn, President of the American Gas and Electric Company, when he said: "The important thing to remember here is that the people

(cont. on page 6)

IMPRESSIONISM

BY HOWARD EISNER EE'57

In France, during the 19th century, essentially two groups prevailed in the world of painting. One group consisted of the painters of the Academy whose work dealt with the conditions that existed in France at that time. The paintings abounded with hidden meanings, religious allegories and romantic images which, by and large, pleased the state. The other group dealt with the reproduction of various phases of life, and they were called Impressionists.

The Impressionist Movement was one of refinement in painting technique. Impressionism was relatively free of what we consider native passion and creative spirit which a conventional painting usually embodies. The work of these artists was frowned upon by the state generally because it failed to deal with the "standard" subjects of the day.

This being the case, it was rather fortunate that almost all the Impressionists had independent incomes since the state saw to it that they had no audience. This situation eventually caused the breakdown and ruin of many of these people, amongst whom were Delacroix, Corot, Courbet, Lautrec, Degas, Manet, Seurat and Cezanne.

Perhaps a closer look at the basic ideas and techniques that comprise the Impressionist spirit would be important here. Impressionism dealt with attempts at reproducing actual images of nature. The subjects were deemed relatively unimportant and were functions of the painter's tastes and attitudes. This very fact remains a point which causes many critics to look upon the whole movement with disfavor. It is held that the mechanics of technique obscured and suppressed interpretation and creativity; that the concept of realism became almost perverted in its photographic likenesses, void of conviction and preference. Examples of this can be taken from the work of Manet. Some of his later pictures were copied directly from

TWO LAUNDRESSES BY DEGAS

photographs since he considered perfection in shading and color mixtures of primary importance.

Henri de Toulouse Lautrec was of a different type although he was truly an Impressionist. There was a theme, an idea, a conviction in his paintings. These preferences were borne of a troubled mind which was moved by the grotesque and the degenerate, but his work was provocative and did not become stagnant with the perfection of his reproductions of nature.

There evolved three men from this school of painting whose works were transitions to other schools of thought. There was Renoir, untroubled and direct, who introduced the female nude form as a work of art; there was Cézanne, the master of still life; and also Seurat, the pointillist, whose tedious style and design were flawless. These people brought down the curtain on the Impressionists and opened new doors in art.

NEXT ISSUE - CUBISM

POWER...

(cont. from page 5)

most important to educate are the younger men. They need time and assistance to enable them to take formal instruction, by enrolling them in one or another of the reactor institutes as their capabilities are equal to it. They can be sent out of their organization to become members of study, design, construction, or operating groups, working on reactors. Through educational efforts of this kind, each company can gradually pick up a body of men and a body of expert knowledge that will enable the company to handle the problems of study and analysis of reactors as reactor problems come up."

Engineers should consider carefully the choice of jobs open to them and the maximum advancement they can expect to attain in each. In some industries engineers can rise rapidly to a certain level but thereafter their advance is limited because some industries are not ready to allow engineers to take part in management. If the industry is essentially an infant, it must depend, to a large extend, upon promoters and financiers to build it up. Naturally these people will occupy the top jobs in these infant industries while engineers may find themselves in a rut.

A discussion of the specific opportunities open to electrical, mechanical, civil and chemical engineers in the utility industry will be given in the next issue of TECH NEWS.

THE IN
TECHN

Question: Wh
student fall

PROF. WHITE

Mr. Lowen,
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Prof. White
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Prof. Vigdo
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Prof. Stone
Since the
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Prof. Shaw,
I make e
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PROF. VIG

CE DA

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THE INQUIRING TECHNOGRAPHER

Question: What do you do when a student falls asleep in class?

PROF. WHITE

MR. LOWEN

Mr. Lowen, ME

I talk too loud to let him sleep.

Prof. White, CE

I would have a neighbor wake him and joke about how long he stayed out the night before.

Prof. Vigdor, ME

I throw a piece of chalk at him.

Prof. Stone, Chemistry

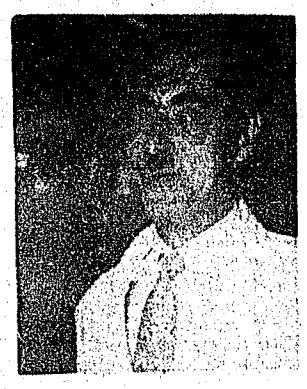
Since the army left, no one has slept.

Prof. Shaw, Physics

I make enough noise in the lecture to prevent sleeping. Occasionally I fell asleep myself in college because I worked as a spin boy.

PROF. VIGDOR

PROF. STONE



CE DANCE NOV. 30

On Nov. 30, ASCE will hold their Semiannual Dance at the Lormish Arms Hotel at 23rd St. and 8th Ave. Admission to the dance, which will be held for students and faculty, will be free to ASCE members. Those interested should consult the bulletin board.

NEW JOB LISTINGS

SUPPLEMENTARY LIST OF INDUSTRIAL COMPANIES VISITING CAMPUS

CODE: C-CHEMISTRY, P-PHYSICS, M-MATH. OTHERS AS DESIGNATED. LOCATION IS NOTED BY STATES.

DATE	COMPANY	LOCATION	DEGREE
Nov. 19	Fort Belvoir	Va.	EE ME ChE C Bio
Nov. 19	General Foods	N.Y.	ChE C
Nov. 19	Merck & Co.	N. J.	ChE ME C Bio
Nov. 20	Hycon Eastern Inc.	Mass.	EE
Nov. 20	Calif. Oil Co.	N. J.	ME ChE top 1/3
Nov. 20	Eaton Mfg. Corp.	Mich.	ME EE
Nov. 20	Robertshaw Research	Pa.	EE ME
Nov. 20	Hughes	Calif.	EE P ME M
Nov. 21	Western Union	N. Y.	EE ME
Nov. 21	Polarad Electronics Co.	N. Y.	EE P
Nov. 21	CIties Service	varied	ChE C top ½
Nov. 21	Navy Dept. Bur. of Aero	Wash.,D.C.	EE ME
Nov. 26	Edo Corp.	N. Y.	EE
Nov. 26	Corps of Engineers	varied	CE EE ME
Nov. 27	Battelle Institute	Ohio	EE ME P
Nov. 27	Semet Chem. Corp.	varied	ChE ME C
Nov. 28	Reeves Instrument Co.	L. I.	EE ME
Nov. 28	U. of Calif.	Calif.	EE ME ChE C M P
Nov. 28	Syska & Hennessy Inc.	N. Y.	EE ME
Nov. 30	U.S. Navy Lab.	Conn.	EE ME M P
Nov. 30	Allied Purchasing Corp.	N. Y.	ALL
Dec. 5	City of Milwaukee	Wisc.	CE
Dec. 7	Rockefeller Institute	N. Y.	C Bio

MILITARY JOBS BECKON TAKERS

On Monday, November 26, representatives from the N.Y. district of the Corps of Engineers will speak to students at City College in order to enlighten them in regard to the opportunities and benefits accrue as civilian members of the Corps of Engineers. Last semester 15 City College graduates, 14 CE's and 1 ME took positions with the Corps.

The Corps of Engineers, a branch of the Department of the Army, performs all the construction work for the Army and some heavier work for the Air Force, such as building of Army posts, and airstrips, in addition to carrying on a full scale civil works program involving construction of dams, reservoirs, levees, floodwalls, locks and powerhouses. Moreover, projects concerning Federal programs for flood control, river and harbor improvement fall under their jurisdiction. The constant dredging of New York harbor is one of the navigability projects maintained by the Corps of Engineers. Although connected with the Department of the Army, the vast majority of the work is performed by civilian employees.

Employment in the Corps of Engineers can improve the position of a potential draftee since he becomes eligible for enlistment under the Military Reserve Act which provides a special program for men holding critical jobs in certain essential activities. The program consists of a 6 month active duty period which entails basic training, individual and group training, followed by a seven and a half year term in the ready reserve for which the reservist receives full pay for weekly meetings and yearly encampments which last two weeks. Eligibility for this program is retained even after notice of induction.

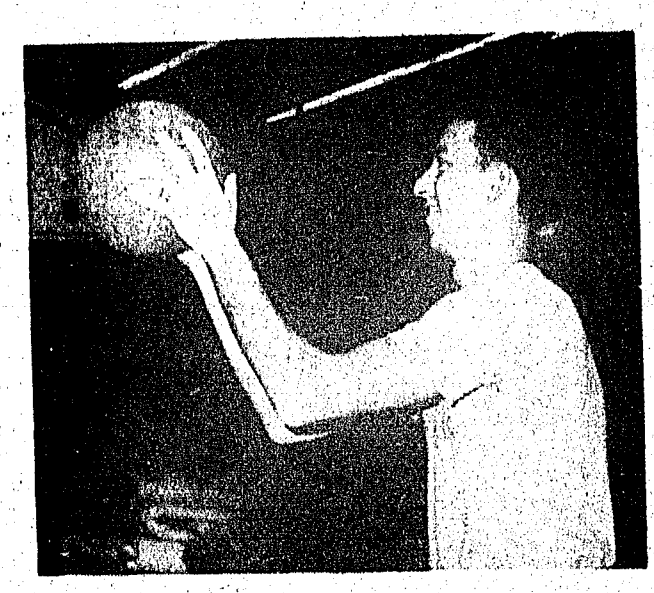
The Corps offers many attractive benefits which are as liberal as those given by private industry. Consequently, a careful surveillance of the field on the part of the graduating senior may prove to be worthwhile.

TECH SPORTS

SPORTRAIT

"He 's matured into a very fine basketball player, and he should have his best season of basketball this year." These words of praise were spoken by Dave Polansky, CCNY's varsity coach, when asked how he felt about Ralph Schefflan, ChE '57.

Ralph, averaging 14 points a game last season while playing under Nat Holman, had little previous basketball experience before entering the College. George Washington High had no basketball team while he was there, but he was able to play with a neighborhood "Y" team.



RALPH SCHEFFLAN, BASKETBALL ACE

Ralph's best point producing shot is his jump shot, but he usually feels more of an urge to drive than to shoot from the outside.

This past summer he worked at Nat Holman's camp where he managed to keep in fairly good condition by playing ball whenever he could.

Concerning the team's chances this year, Ralph is very optimistic. He feels that the added experience acquired by last year's returning players, plus greater depth in both backcourt and forecourt should make for a pretty good season.

After graduation Ralph hopes to work in industry on rocket fuels.

CE'S CEMENT ME'S TO TIE STANDINGS

In the third game of the seas on ASME defeated AIChE 48-34. The ChE's, led by Aaron Rose and George Snell, could not kee up with the fast pace set by th ME's Manny Bornstein and Ami Gross who scored 20 and 1 points, respectively.

In the second game of th night ASCE downed AIEE 41-29, a George Jensen and Karl Fritsc led a second half drive to brea open a close game. Rip Rifki and Charlie Hallas kept the EE' close until the CE's greate manpower wore the EE's out.

In the fourth game of the season ASCE snapped ASME's winn ing streak at 3 games by beatin them 44-33. Karl Fritsch an Manny Bornstein, tied for tota scoring for the season, le their respective teams. Ed Fisch bein put the ME's ahead early i the game, but Stan Schwart sparked a drive that tied th game by halftime. In the secon half Arnie Gross kept the ME' close, but some timely basket by George Jensen put the CE' ahead permanently.

In an earlier game AIEE edge out AIChE 31-30. Charlie Hallas and Herb Scheffler built up a big EE lead and then held it as Aaron Rosen and Jay Simon tried to pull the game out for the ChE's.

STANDINGS

ASME	3 - 1
ASCE	3 - 1
AIEE	2 - 2
AIChE	0 - 4

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