## Employment Outlook

 One Word-Discouraging
## By HARVEY HOFFMAN

What kind of employment year has it been and what are prospects for June graduates?
Mr. E. W. Schnaeble, Director of the City College Place-

Ar. E. W. Schnaeble, "Ait the Office, gave TECH NEWS
answers to these ques-
Precise figures as to how uary graduates are doing will e available until the inter on. By this time it is hoped
hat the students will have in formed the Placement Office of heir success or failure in obtaining employment. An analysis of these figures will be made and we will report the results to the student body as soon as they are vailable.
However, it is no secret that graduating seniors are having a difficult time in securing engineering positions. The electrical engineer's employment problems are more serious than those of the other branches. Mr. Schnaeble informed us that this problem "is on a national rather than a local scale. As a matter of facts, the Boston area may be worse." I should be understood that "most companies are hiring, but, not in the same numbers as previously They are now more selective." He also believes that "the situation may change quickly for the better, although, at the moment there has not been too much en $\underset{\substack{\text { ment } \\ \text { ragement." } \\ \text {. } \\ \text { n }}}{ }$

## First E-Day Since <br> 1960 Is Set For April 18th

## By ELLIOT WAGNER

E-Day is making its return to the College after an absence of three years. Before the winter vacation, Bob Amantea, E-Day chairman, reported to Tech Council on the joint meeting of the faculty and Tech Council Committee for Engineering and Architecture Day which was held on Dec. 19. He stated that E-Day has been set for April 18, 1964, the second Saturday ollowing the spring vacation.
E-Day has been officially named "Engineering and Archiceture Day." Plans call for the event to take place entirely in Steinman Hall. Rooms T205 and 202 have been provided for the Architecture Department. The Chem. E. department has made T201 available for the Military Science Department. Also, the outdoor front patio of Steinman Hall will be available to the army. The committee decided not to have an E-Day Ball. The cost of E-Day is expected to be approximately $\$ 500.00$. Publicity on he subways, in the city's newspapers, and posters and letters to high schools are planned
Engineers' Day will give the students at CCNY a chance to prove that slide rules and Tsquares are not the only tools of their trade. A flood of visitors is expected to invade Steinman Hall. In the past E-Day has been the biggest annual event for CCNY engineers. Last year the dedication of the Tech Building and the alumni homecoming pre vented E-Day and in the years before, most of the engineering equipment, materials and labs, were in the process of being dismantled, moved and reassembled Steinman Hall
Visitors to past E-Days have

## EE Dept. Hosts <br> N.Y.C. Engineers

On Wednesday, January 29, 1964, the New York City Depart ment of Personnel will present seminar in recent development. in electrical engineering intended for all engineers in city developments. The program is being presented in cooperation with the School of Engineering and Architecture and will be held in Room 123 in Steinman Hall.

> The program is as follows:

9:30-10:00 a.m. - Registration coffee hour.
10:00-12 Noon - Introduction to solid state devices - Prof. E. Brenner Properties of semi conductors; P. N. junctions; diodes transistors; transistorized amplifiers; silicon controlled rectifiers fiers, their applications.
12 Noon-1:00 p.m. - Lunch 12 Noon-1:00 p.m. - Lunch
(college cafeteria will be open). (college cafeteria will be open). 1:00-3:00 p.m. - Selection of protective devices and then coordination - Prof. C. Lawrence: Fuse and circuit breaker charac teristic; calculation of short circuit currents-symmetrical, asymetrical; coordination of protective

## devices.

3:300-3:30 p.m. - Coffee Hour. 3:30-4:00 p.m. - Inspection of Laboratories.


E-Day, 1964 will be the first E-Day to be held in Steinman Hall
een such things as operation of |chitecture Day:
n analogue computer, model Prof. Meyers, Chem.E. (Chaira reatment plants, steel rolling ma- mian); Prof. Deans, Ärch.; Prof chines, and the atomic reactor. In Keosian, C.E.; Prof. Meth, E.E.; dditi, and the atomic reactor. In days there were several disstructures. A forum gave parents, high school students and intersted spectators a chance to have their questions about engineering t CCNY answered by upperclassmen.
The following persons are on the Faculty and Tech Council Committee for Engineers and Ar-

## Vector Review

## By WALLACE GOTTLIEB

It has become a TECH NEWS custom to employ a certain set of praises every time an issue of Vactor is published: We tell you that Vector is "readable," "interesting," and informative" and that its articles are "understandable by both upper and lower classmen alike." These terms are fast becoming cliches, but we can't help it Vector is usually this good; the econd issue of the Fall term, on sale this week, is a perfect example. It is, indeed, interesting and informative, and its articles will be understood by most students.
The 36 -page issue contains ar ticles on molecular electronic and on the place of technology among the humanities. Also featured are the usual Vector departments, "Engineering High partments, "Whels."
Almost everyone has probably expressed at least passing interest in the trend toward sub-miniatur zation in the electronics industry Lawrence Presser's article, "An Introduction to Molecular Electronics," is a comprehensive report on the subject. It should prove to be "readable" to anyone with a knowledge of basic
ectrical physics and to EE stu dents in particular.
After tracing the evolution of he miniaturization of electronic circuitry, the article - first of a eries of two-explores the meth ods and processes which are used to produce a complex electronic system in a single crystal of semiconductor material.
Mr. Presser knows how to write good technical article; this is is third contribution to Vector His second, last year, entitled, "Piezoelectricity, Electroluminescence and the Thin-Screen Kine scope," won third prize in the IEEE Paper Competition:
The versatility of the scope of Vector and the versatility of tho author are clearly illustrated in "Technology and History," by Mr. Harold Dorn, a member of the ech school faculty.
Mr. Dorn, who holds degrees in civil engineering, philosophy, and, mathematics is an authority on
(Continued on Page 2)

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TECH ALUMNI PRESENT SPEAKER
On Friday evening, January 31 , the Engineering Alumni Association will present Harold Finger to speak on "The Space Nuclear Systems Program." The lecture will begin in the Steinman auditorium at 8:00.
Mr. Finger is manager of the AEC-NASA Space Nuclear Propulsion Office, and he is also director... of .nuclear ..systems.. in NASA's Office of Advanced Research and Technology. Mr. Finger received a BME from City College and holds an MS in aeronautical engineering
from Case. He is author of numerous papers, and he was co-winner of the 1957 SAE Manley Award for the best paper in aeronautics presented during the year to the Society.. of ..Automotive ..Engineers.

## Jobs

(Continued from Page 1) There is, indeed, little encouraging news in the industry. "Opportunities in the Federal Government exist," but there is now a "question of how the closing down of shipyards will effect engineers." For example, "the New York Naval Shipyard usually takes twenty men. Last June and so far this year they have taken no one."
Another reason for a decrease in number of available jobs is
the relatively new method of isthe relatively new method of is-
suing government contracts. In previous years a company would agree to a profit which was ten per cent of the cost. Under this many men and get paid for doing so. Today this cannot be done and so. Today this cannot be done and
instead, companies hire the least instead, companies hire the least
amount of men that are needed amount of men that are needed
to complete a job.
There have been many lay offs which have hurt engineering graduates to some extent. The Radio Corporation of America, Sperry, Republic Aviation, and General Electric, to name a few, have laid off large numbers of engineers in recent months. General Precision Areo Space laid
of 175 engineers, but, "in trying to maintain good college relations they did not lay off trainees [recent graduates]. They only laid off more experienced men." This last statement is not as ridiculous as it appears. Companies "lay off men who makes only minimal contributions to the companies' operations, 'goof-offs,' and men who can't get things straight. In recruiting it is not al ways possible to tell who is best In some cases men are hired back if they cannot get jobs. When new contracts come they need new men." Many of these new men are recruited from the colleges.
With

With reference to the lay offs, it is interesting to note that many companies set up interviews for their ex-employees with other
companies. They assist the men in companies. They assist the men in
the preparation of resumes and in general, do their utmost to place these men in new positions.
Of course, all is not lost. As mentioned previously, there are jobs to be had. You just have to dig a little deeper for them. Mr . Schnaeble urges all engineers, especially electrical engineers, to apply to concerns outside of the city. "This increases your statistical chances" of gaining employment. Also "If they went out of the city, chances are that they might get a job in their field of interest." Frequently, a student picks a job in which he is no particularly interested only be-
cause the firm is in the City. "The cause the firm is in the City. "The
older you get, the more experi-
"Engineering Highlights" briefly discusses an inspection technique for semiconductor devices, a method for producing a stable able, 350 -ton telescope. "Wheels" presents the backgrounds of the presidents of the College's tech honor societies. In addition, "Vector Volts" and a fine crossword
puzzle are included in the issue.
Vector is rated as one of the best student technical publicabest student technical publica-
tions in the United States. It has recently won awards for best single issue, best editorial, and best overall magazine. This term's editors are Herb Geller and Law-
rence Presser.

## ARCHITECTURE

By DENNIS EGAN, SCAIA
New York City had the good fortune in the recent to have had its architectural diversity enhanced by the tion of two buildings of significance. Both of these build shift the balance of power in design to space and subordinate
matter to the job of enhancing matter to the job of enhancing the space. The Museum of Modern Art, designed by Edwar D Stone and Philip Goodwin, and
the Guggenhiem Museum, designed by Frank Lloyd Wriwht, signed by Frank Lloyd Wriwht,
form an interesting comparison because of their similar function, that of exhibiting modern art.
The site selected for the Museum of Modern Art was on West 53rd Street between. Fifth and Sixth Avenue. This choice of location, different from most major art museums which are located on art museums which are located on
the avenues, has along with Rockefeller Center helped to change mid-town Manhattan from a one to a two dimensional area.
The program for the museum The program for the museum
caled for maximum flexibility to provide for constantly changing exhibitions and an expanding program of public services. The
building that would join wi
complement contemporary The final solution took fu vantage of the open plan. possible by the structural system, first fully announct Le Corbusier and Mies Va Rode. A maximum of free was obtained by concent the fixed elements; such
stairs, elevators, air ducts stairs, elevators, air ducts
lavatories at one end of the ing.
The offices and trustees were placed on the top floo the work shops along beautiful auditorium were below grade. The first and floors, therefore, became m
ized gallery areas. The su for this large area consisted simple column grid. Into lar'ge area was introduced a ber of temporary partition (Continued on Page 4)


## aN OPPORTUNTTY TO GROW IN THE HIGHEST PROFESSIONAL WORKING ENVIRONMENT

ELECTRICAL ENGINEERS PHYSICISTS MATHEMATICIANS
Technical representatives of the MITRE Corporation will be conducting interviews on campus

## February 20, 1964

MITRE designs and develops systems that enable our mili tary commanders to detect attack and retaliate instantly Typical systems include Nuclear Detonation Detection and Reporting System, North American Air Defense Combat Operations Center, and Back-Up Interceptor Center Mraffic control systems.
traffic control systems.
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For the young systems engineer there is no more rewarding work. You associate with the top men in your field. You work in an atmosphere that allows you to extend your capabilities professionally and academically.
At MITRE, men trained in single disciplines are encour aged to grow beyond their original fields of interest. Systems designers learn to work from an increasingly broad base
You may work in such diverse areas as information theory, computer design, display techniques, propagation thesize. You may deal with systems or individual compo. nents. At the highest levels, you may have to consider political, economic and social factors
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Requirements, B.S., M.S., or Ph.D. in these disciplines pleasant, suburban Boston and also has facilities in Washington, D.C. and Colorado Springs. If an interview will be inconvenient, inquiries may be directed in confidence to
Corporation, Box 208 , Dept. CN5, Bedford, Mass.
arramge for an interview through the plagement office

## MITRE <br> GORPORATION

Pioneer in the design and developmert of command and control systems, MITRE was charcered in 1958 to serve profit firm is technical advisor and system engineer for the Air Force Electronic Systems Division and also serves the Federal Aviation Agency and the Department of Defense

Young

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analyses, nalyzed b Many will disguised , while o nen, will will finc estation pernicious

## Faculty View <br> rof. Guttierez Urges Varied Life

Young People Wary of New Ideas." This was the headThe copy went on to review the results of three recent wide surveys made of today's youth (teenagers and adults under 30 ). They found (among other things)
$92 \%$ of those interviewed he tens of thousands) said they preferred a secure home iving for fame and fortune. Almost half agreed that large group of people book is dangerous, it be banned.
ese results will be (as they been) analyzed by all consociologists, educators, ologists, and even advertismen (who sponsored the surveys). Their predisposiand intentions will affect analyses, which will then analyzed by other analysts, Many will simply record the disguised in professional while others, such as the cn, will use the facts for will find here but another festation of the general se among us all general pernicious pervasiveness of wide unrest, unecrtainty ence.
if this sickness be every, how can one expect youth omehow (and soon) voluntarand positively "assume all his ponsibilities with honor and ity"? And if he further lacks -motivating will, all exhors for him to cultivate hon-
industry, initiative, determiperserverance, courage, nce and social consciousness literally fall on deaf ears.
too "busy" to become involved not realizing that Sartre has emphasized; non-action and noninvolvement is action and invol ment). Students in a demanding discipline, such as engineering or architecture, are so burdened with work that they find themselves in this latter position sometimes involuntarily. And yet we all know that it is during this time that many of our lifelong habits are established. Non-thinking or "pure busy-ness," no matter how rationalized (or unconsciously held) can not be a habit for anyone to cultivate. It is especially dangerous for an engineer, who as an influential social force, is constantly providing daily is constantly providing daily
"proof" (through materialistic efficiency and inventiveness) for our modern concept of "progress." But there is so much we don't know (especially about man himself) - and there are no simple answers, notwithstanding Madison Avenue's pursuit of happiness, idealistic or pragmatic bombasts, Zen, Birchites, etc. By continually questioning we are defining and finding the world and thus we find ourselves as well. This can lead to the zest caller "joie de vivre" (particularly if you are also sensitive to the comedy as well as the tragedy about us). This is the pursuit of think-ing-doing.
Can't all this wait until after


Prof. Angelo Guttierez, C.E.
ing beyond one's fill, for acting foolish (how are you going to learn?). But of course, "freedom is not license" - yet freedom's boundaries need not be constricted by the continuous labeling of any new action - "immoral." (The area of morals has succumbed to the black or white thinking dominant today - I am not proposing selling pink to teenagers.) Through this seeming irresponsibility youth is preparing for responsibility. (The process is more than "sowing wild oats," but less than anarchistic anihilism.) Thereby fully participating in rather than escaping from the world (through the arts and sciences, and through social and political contacts) one learns more about one's personal world and its physical and mental limitations. This awareness, this "first - hand" knowledge of self and world begets confidence.
Unfortunately many of us cannot easily embark on an individual serach for values because our natural curiosity and imaginations were very early stifled by many factors, a dominant one being our earlier educational traumata. Reading, for example, anything outside our specializations, say from Aeschylus to Whitehead, is a tedious unenjoyable experience. (Remember Dickens and Shakespeare in high school?) We do not read enough. In truth, the wealth of ideas and events in even the "impractical" fields of art, yield as much enjoyment as the current sports pages (which I always read enthusiastically).
My opinion is that a well-balanced enriching, enriched life will emerge from this neo-Faustian appetite (assuming a non-crippled personality): a life, ever developing from an intimate knowledge of the many choices inherent around and within us, yet always demanding the cultivation of specific choices (our emerging values).
Still, even if the answers are not easy to find aren't there some "universals" on which you can depend? As Krishnamurti, an Indian educator has said:
"Life cannot be made to conform to a system, it cannot be forced into a framework, however nobly conceived; and a mind that has merely been trained in factual knowledge is incapable of meeting life with its variety, its subtlety, its depths and heights."

Thus my personal advice to our fearful youth is to remember "know thyself," "no man is an island," "man does not live by bread alone." These cliches are still true for me. Our daily disregard (or ignorance) of such rewarding guides causes a fearful retreat into our "outer-directed," retreat into our "outer-directed,"
"trapped-in-the-moment" selves.
graduation? Until after the Army? (or Graduate School?) Or perhaps until after we marry? The answer, of course, is that it's almost a "now or never" situation. Postponement of self-discov ery, self-development means tha it will never happen. Now is the time. Does it mean that you stop studying and "live-it-up." No at all, it simply means integrat ing your studies into a large fabric - your life. A stuclen doesn't have to escape from on activity to another. To escape connotes to forget (or lose oneself) which is different from freedom voyage of discovery.
Youth is the time for discovery even for those excesses in work and play which we might late regret but which underly self discovery. It's a time for reading
and writing anything, for drink-
mand and ndent nonserves the f Defense.
compound effect of world fears together with an unis a paralysis.
istlessness leads him either gh "to get by." In addition ear of Failing seems always nt. This sad conditioning reme of the young mothe questioned the store clerk or her child The clerk re "It's an edticational toy ned to adjust a child to live e world toclay; that is, any he puts it together -
at is the answer to these (including the fear of freeitself)? What can be done ? Well, some turn to Religion,

## Two Museums

(Continued from Page 2) By arranging these partitions a will, a variety of spatial expres sions could be introduced. The space, so created, could contract, expand and change character but continue to flow and carry along with it anyone experiencing it. This movement seems to be ideal y suited to an art museum, whose eed for large wall areas and a mooth continuity of space flow is primary. Further freedom was assured by the use of temporary lighting fixtures in all the galler ies. Since the desired type and quantity of natural light varies with the exhibits, the translucent glass windows on the south walls of the gallery floors were designed o accommodrite opaque panels. Many other design features were included to add to the flexibility of the museum
Though the building adequate y satisfied any requirements of performance, it fell short on esthetic grounds. The exterior elevations and the general feeling of the materials could have been more plastic and alive
Some critics contend that by providing a neutral setting in an otherwise more than satisfactory building, the designers have left inge designers have in manner fitting to it. The re the door open for the most im- ${ }_{\text {sult }}$ as Wright promised, is " $a$
portant element the exhibited work of art. In light of this conideration, the "Modern" is a sucess.
The second museum, designed by Frank Lloyd Wright when he was over eighty, is in almost complete opposition to the Museum of Modern Art. Situated on upper Fifth Avenue across from the large circular reservoir in Central Park, the Guggenheim Museum seems as one critic said
to balloon outward among ts starched neighbors, like the plusing sanctuary of a primitive cult drumming on Fifth Avenue. One notices the strong sculptural orms that entwine, connect and orm the unified whole of Wright's only New York building. Having entered into the mass from below, one is released into a hollow in the center of the main mass. Here one has a feeling of completeness and satisfaction. Spun around and subordinated to this calming pace is the grand ramp which begins at the bottom and slowly spirals upward, growing in width, and advancing toward the main source of illumination, the dome he dome provides for illumina he dome provides for illumina-

## Attempt

## By Angelo guttierez

Infinity lies just beyond my finger tips:
Yet how i wish to write me and i
past your iron thought and its star
without marking you without
nor within, yet within
Read my voice, this print brief upon the air, knowing not
this tongue gives each taste a word unknown devoured unknown, on other lips;
then, too, here and there a wind-wom snare finds each ear a changing uncertain eye; a recognized fact: transitives are rarely heard.
Repeat Repeat (desert nascent needs, in us, imperfectly mysterious) Repeat: all abstracts are abstract - refracted. "All abstratcs are . . ." sadly, no more or less, refractory; and precisely, ascetically so, shards cleave me a chance, (any chance),
a shadow (plucked from infinity).
yes, yes, nothing defined can't even become
i am, beached by hallo-ed herds,
sin vino sin amor sin cancion breathless guilt salted in doubt can i not reach you, love? (they ${ }_{\text {wis }}$ say Anything's Possible Today.) down, down and about, watch the ideomotion of this living, full-wounded body bold with philter - drinking sin appalled palled, paraphrased in knowing poets, philosophers, priests empty stum on word - meanings meaning just words surd; absurd; infallibly swaying
long long strings of black blackest beads while scarred melancholy mocks sacred certainty.

0, there's similarity in each sleeper's sorrow common solace the abstract we must borrow.
but what do we seek? and where? Facts no longer shock me, no longer do they seduce the why upon my lips, for now i know that we know not that Life dies when held still for inspection.
(O love, though i've read as much as i can never know i'm dying still a dread discursive thirst or will i survive, buried in a monk's shelter to contemplate the sum of our ignorances which we still call our damned souls.)
The sea, the sea, the sea is rough
and though together we see it, they continue to say: "leave Me be; it's not My fault
I'm satisfied (until I know not when)
because I myself like what I Myself. want.'
completely, unrecognizably
our days go, going out,
earth colors fade,
past the vestigial movements of our repetitious masters we go to our darkening, bed we go,
unkissed, into the many mouths of time we go, going trapped separately we go, going out but, we won't sleep.
great repose, like the atmoephere of an unbrokeh wave. Here for the ent time Archtiecture © pears plastic. One lloor Llowine into another, instead ot the urim superpoilion of etratiant lafers." Alons the mend rity the whi
 are placed alons the outer perimeter of the ramp, awy trom the zreat hollow. In this pooition the exhibit is lichted by both natural and stificinl lieht: To avoid any mototony to to avoid any monotony and to thgreat space arit the remp, changes

## Sport Coluinn <br> Will Return

## By bann chamitiouse

TECH NEWS will once ajain carry a sports columin. Unlike the other papersj TYCH NHWS does not come out two or three times per week and therefore it would not. practical to carry a "sportsextra" column which would only announce the results of Beaver sports contests one or perhaps even two weeks after a play-byplay description of the game had been carried by another paper.
This "capsule review", article will cover such features as: league schedules outlining key Beaver tournaments of the season, league standings, a complete rundown of Beaver teams including rosters and statistics about the players, sports summaries, team histories; interviews with players and coaches, outlook on the future of various Beaver squads, philosophy, and a "Player of the Month award" given to the most outstanding Beaver athlete of the past month.
In short, this column will not ust cover sports scores, but will tend to give a general summary of just how well C.C.N.Y. teams and individuals are doing.

To conclude we would like to say that this article is dedicated to you the City College student and although it might take some time to get off the ground, please bear with us.
Suggestions and comments (both pro and con) would be greatly appreciated.

ELEGTiGICAL ENGIMEERS - PHYSICISTS
Norden will be on
campus.
February 11

Graduating Electrical Engineere
nd Physicists are invited to discuss current openings in researcht deaign, development and
ing in areas such as:

Fire Control Systems Ladar Bystems Data Processing Equipment Inertial Guidance Syatems Teievision Systems Arcerationstrumentation Navigation $8 y s t o m s$ Preeision Components Sollid State Devices U. s. Ctitionahly Reguired. Nor-
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Norden -

An Equal Opporturity Employer

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in photor or plane alone, Any three dimensional dedin must b Fiewed in the tourth dimention it in me much an experience in time as it is of proportion or scale. The Guccenheim is an outatanding example of this requirement Wright's building is net euccess ful as an art mutecth beravee of the infexible exhiblting areas is one of oxcellent poetry. dathe berility or ye obse to ibuiding on anyiling therpuiding $A n$ rour chase variety of light and Ehade varrety of light and chade, thin which alters up oven hirheat points, the Llow 0 Inferior space liself with lts currents and minor eddie comblie to bring out much ing and thought in the beh While one museum is ample of good prose, the


## A GUIDE FOR THE GUIDERS

One of the most interesting academic theories advanced many a long year has recently been advanced by that interes ing academic theorist; E. Pluribus Ewbank, Ph. D. who hold the chair of Interesting Academic Theories at the St. Lou College of Footwear and Educational Philosophy. Dr. Ewban said in the last issue of the learned journal, the Mount Rushmo Guide to Scholastic Advancement and Presidents' Heads, that might be approaching the whole parblem of student guidance from the wrong direction
Dr. Ewbank, a highly respected pedagogue and a lifelon smoker of Marlboro Cigarettes, (I mention Marlboros for tw reasons: first, to indicate the scope of Dt. Ewbank's brainpower Out of all the dozens of brands of cigarettes available today Dr. Ewbank has had the wit and taste to pick the one with th most flavoriul favor, the most filtracious filter; the moat so soft pack, the most flip top Flip. Top box: I refer, of course; t Mariboro. The second resson I mention Marlboro is that I ge paid to mention Marlboro in this column, and the laborer, you will agnee, is worthy of his hire:

But I digress. To return to Dr, Ewbank's' interesting theory he contends that most college-guidance counselors are incline to take the easy way out. That is to say if a student's aptitud tests show a talent for, let us sasy, math, the student is encou aged to major in math. If his tests show an aptitude for poetry he is directed toward poetry. And so forth.


All wrong, says Dr. Ewbank. The great breakthroughs, th startling innovations-in, let us say, math, are likely to be mad not by mathematicians-whose thinking, after all, is constraine by rigid rules and principles-but by mavericks, by, nonoon formists, by intuitors who refuse to fall into the rut, of reason For instance, set a poet to studying math. He will bring a fresh unfettered mind to the subject, just as a mathematician will bring the same kind of approach to poetry

By way of evidence, Dr. Ewbank cites the case of Cipher Binary, a youth who entered college with briliant test scores physics, chemistry, and the calculus. But Dr. Ewbank forced young Cipher to major in poetry
The results were astonishing. Here, for example, is youn Cipher's latest poem, a love lyric of such originality that Lord Byron springs to mind. I quote

## He was her logarithm <br> She was his cosine.

Taking their dog with 'em.
They hastened to go sign
Marriage vows which they joufully shared
And wooed and wed and pi r squared.
Similarly, when a freshman girl named Elizabeth Barnett Sigafoos came to Dr. Ewbank to seek guidance, he ignored tho fact that she had won the Pulitzer prize for poetry when she was eight, and insisted she major in mathematics. Acsin the results were startling. Miss Sigafoos has set the entire math department agog by flatly refusing to believe that-six times nine is 54. If Miss Sigafoos is correct, we will have to re-thin the entire science of numbers and-who knows? - possibly open up vistas as yet undreamed of in mathematics.
Dr. Ewbank's unorthodox approach to student guidance has so impressed his employers that he. was gred last week. He currently selling beaded moccasins at Mount Rushmore.

We, the makers of Mariboro, know only one kind of fuid ancef the direct route to preater emoling plowure; Try. In all afty statem of the Unton.

