

4-6-1956

## The Amplifier - v. 2, no. 12

Associated Students of the Montana School of Mines

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### Recommended Citation

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George Hugh Says:  
Study carefully; the grade-pt.  
average you save may be your own—"

"The news you can't read  
anywhere else—"

Weather: East Ridge  
will be visible today  
and tomorrow

MONTANA SCHOOL OF MINES

# MINES AMPLIFIER

VOLUME II 12<sup>th</sup> EDITION

APRIL 6, 1956

## CSDALK SHOTS SLATED

(S.U.P.P. Apr. 6) A rush shipment of precious Csdalk vaccine is enroute from Flim Flom, Canada, via covered wagon, to alleviate the outbreak of dreaded midtermsolysis at MSM.

There were scattered cases of the disease reported two weeks ago, and since that time, the number of cases has reached epidemic proportions. In all disaster areas, the infants are the first attended and MSM shows no exception to this. The freshman class is scheduled for the first shots followed by the sophos., juniors, and seniors in that order.

The seriousness of the situation at the school is indicated by this priority shipment, as there is only four-fifths liter of the serum in existence. The critical shortage is due to the method of manufacture and lack of enough well staffed, isolated, laboratories.

Tonsils from healthy, ruby-throated, hummingbirds are scalloped and placed in a clean glass flask. The virus is introduced from a rusty fingernail file and the culture thus produced is allowed to develop for eight years. At the end of this period, the culture is thrown out and the glass flask is fused with a suitable flux and the whole mess taken up in H<sub>2</sub>O made slightly alky with Old Smuggler. Uniformed attendants then bottle the resulting solution and it is packed for shipment.

Joy Manufacturing Co., exclusive manufacturer of the needle used in administering Csdalk vaccine, has rushed a shipment of their latest rotary hypodermics with the newly developed corkscrew needle to Dr. J. Palsy Quack, school physician.

Dr. Quack, overflowing with confidence, told AMPLIFIER reporters that tho' we are receiving only a fifth of the vaccine, he will try a new dilution process whereby the volume

is increased while the strength remains relatively the same. The Dr. said, "We are using the Horgan-Murphy modification of Csdalks vaccine—one part vaccine to one part seven-up in a H<sub>2</sub>O - ice medium.

The AMPLIFIER staff and typing office offer best wishes for quick recovery to those stricken and our sympathy to those who are beyond help.

## SMITH-ACT VIOLATOR APPREHENDED IN BUTTE —

(A.N.A. Apr. 6) Agents of the F.B.I. closed a well prepared trap early Monday morning on a vicious violator of the Smith Act. L. Owsy Dunce was apprehended at his residence atop Pipestone Pass as he prepared to attend his early (11:00) class at the Montana School of Mines.

Mr. Dunce is charged specifically with being unable to interpret *of the*. Under the provisions of the Smith Act, passed in 1955, Dunce could be sentenced to a minimum of two years as a sophomore. Maximum penalty is life sentence to hard labor.

The Smith Act was passed to prevent engineering students from entering industry with a complete lack of the ability to apply simple calculus to the omni present mathematical problems that arise in the field. Acts that are punishable under the Smith Act are:

- (1) slowness with trigonometric manipulations,
- (2) inability to recognize simple identities,
- (3) difficulty with simple derivatives, and
- (4) adding two and two and getting five.

Bail was set for Dunce at one thousand beer chits. Mr. Will Shyster, lawyer for the accused immediately appealed the bail that Dunce would surely die of thirst before his trial came up.

COMMENTS FROM THE FRONT OFFICE

J. R. Van Pelt

MANAGEMENT IN SEARCH OF MEN

David A. Shepard was born in Denver 53 years ago. He chose engineering for his career, received his B.S. from M.I.T. in 1926 and his M.S. the next year. Up to the '20s the oil industry had been run mainly by non-college men, but was beginning to hire engineers to solve technical problems. Dave went to work in the research arm of Standard Oil of New Jersey. After five years of using him as a research engineer, the company switched him to engineering sales and sent him all over the world, first in sales and later as a technical trouble-shooter and coordinator. He grew in ability to deal with technical, financial, and human problems, and in 1949 he was called home as executive assistant to the president of Jersey Standard. In 1951, while he was still in his forties, he was elected a director of Jersey, one of the world's largest and most aggressive industrial enterprises.

When Dave started as a research engineer in 1927, he may never have thought of himself as a future director. And in those days, when college men were not always popular in industry, probably Dave's boss didn't think of the young man as potential "brass". But he became a junior executive in nine years and a top executive in twenty two.

Why and how did this happen? Needless to say, he must have had qualities of leadership, some of which he developed and used while he was still in college. Also, he managed to go to work for a company that was growing—one that had plenty of room for upgrading its best men. And because he went to M.I.T., he had studied in the environment of preparation for business management.

Montana School of Mines is one of the few mining schools where engineers receive management training as an important part of their undergraduate curriculum. This is the first step toward a management job. Most large mining and oil companies are constantly sizing up their young employees to find future executives. When they find them, they give them on-the-job training in one or more phases of management. Later, they may pay their way to Harvard or Stanford for an intensive course (8-12 weeks) in management techniques.

Jersey Standard and several other companies have started a research project known as EIMP—Early Identification of Management Potential. If you're looking ahead to a future management position, you may want to ask yourself, "How will I stack up when my employer is trying to find men for promotion? Can I make a record something like Dave Shepard's?"

PRESIDENT OF AIME TO SPEAK AT CONVOCATION

On Monday, April 9, at 11:00 A.M., we will be privileged to hear Mr. Carl E. Reistle, Vice President of the Humble Oil Co. and 1956 President of AIME, speak at our ASSM convocation. This visit to Montana School of Mines arises from Mr. Reistle's official visit to the local section of AIME on April 9 and is an opportunity of which we all should take advantage.

Mr. Reistle has developed an interesting and productive career in the petroleum field of engineering, having started as a chemical engineer with the Petroleum Division of the U.S. Bureau of Mines in the Salt Creek Field of Wyoming in 1922. As a result of this work, he was assigned to the Laramie Station of the USBM when it was established in 1924.

The year 1932 saw his transfer to USBM work in the then newly developed East Texas oil field where he was instrumental in the stabilization of production in that field. This work also led to the subsequent introduction of a water injection program, the end result of which will be a tremendous increase of oil recovery in that field.

Mr. Reistle then joined the Humble Oil Co., one of the largest oil producers in the East Texas Field, in 1936 as engineer-in-charge of its Petroleum Engineering Division. His subsequent rise in this company attests to his ability. He became head of the Petroleum Engineering Division in 1940, Manager of Production in 1945, Director in 1948, and Vice President in charge of production in 1955. In 1956, he was awarded the honor of election as President of the AIME.

Such rise to industrial eminence from his beginning as a junior engineer doesn't happen every day to every engineer, but it does happen often enough among men in the engineering profession that it should be a strong incentive to undergraduate students of engineering for the expenditure of serious effort toward sound and thorough all-around development in view of

industrial opportunities of future years. Further, the opportunity to see and hear a man of Mr. Reistle's type should not be overlooked.

COPPER GUARDS

This is the second of a series of articles concerning the highlights of the history of the Intercollegiate Knights. The purpose of this article is to enable the student body to become better acquainted with their local chapter.

The present Intercollegiate Knights National Organization had its beginning in 1922 with the granting of permission for the formation of a national organization. The Knights of the Hook drew up the plans for their expansion program and presented them to the University of Washington for final ratification. Their program was designed to include all universities and colleges in the Northwest and on the Pacific Coast.

On April 12, 1922, final sanction was given by the University of Washington and the Intercollegiate Knights National Organization became a reality. Under the guidance and because of the previous contacts of an expansion committee, five chapters were installed.

The first national convention of the Intercollegiate Knights was held on the Washington State College campus in the year 1924. The business of the meeting consisted principally of considering applications for entrance into the Intercollegiate Knights by various schools throughout the nation.

The twenty year period from 1925 to 1945 brought about many new developments in the organization. Many new chapters applied and were admitted to the organization. Of great importance during this period was the upswing of interest in the Intercollegiate Knights and their precepts, and the growth of the organization's influence on many college campuses.

The Intercollegiate Knights practically disbanded during World War II, for the membership left to serve with the Armed Forces. Only two chapters continued to operate and these had very limited activities. After the war, a loyal nucleus of members returned to activate the many chapters and since then the Intercollegiate Knights have grown to a position of strength and solidarity unknown in their past history.

SAD SITUATION -

Once again AMPLIFIER is short a few pages of information which normally appears in each issue. The student body will have to excuse us---we have mid-term finals too.

KID IN THE KORRIDOR

The Kid would like to thank the faculty for allowing him a one day spring "vacation". He enjoyed it very much and got all rested for the many weeks of school remaining. He often wonders why he starts and finishes school at the same time as other state schools, yet receives only one day vacation in comparison to two weeks for other state schools. The Kid can take it though, since he has "M" Day to look forward to.

The Kid understands that an investigation is under way at the School of Mines. A certain member of the Independent Party is trying to find out why he doesn't get in on the frat parties. Perhaps it is because Mr. Twinkle Toes doesn't belong to a frat.

The Kid is taking a home body building course. He quit eating dormitory food.

SIGMA RHO NEWS

Final plans were made for the inter-fraternity dance to be held this weekend. A good turnout is expected for this occasion. In getting together with the brother fraternity, all friendly rivalries will be forgotten and so a bang-up time is assured.

The popular Rose Garden party planned for this month has been postponed. Watch for further announcements.

THETA TAU NEWS

Bob Hickman, Jerry Weber, Dave Johnson and Bud Sommers left this morning to attend the Theta Tau Regional Meet at Salt Lake City. They will return Sunday evening after a very busy week-end.

We are all awaiting the inter-fraternity party with the Rhos which will be held Sunday night at the Legion Hall.

Plans have been made to have our annual Echo Lake party the 28th of this month.

Plans to have another movie hour in the near future have been made. Watch the bulletin board for further information

## SIGMA RHO'S ANSWER TO "BOSS" DUGDALE

In the March 23, 1956 issue, "Boss" Dugdale brought out the idea of an organized independent party. For a large part, the idea is a good one, it is one that has been worked on even before "Boss" Dugdale had this political idea.

We of the Sigma Rho believe an independent party would help bolster school spirit and welcome some stiff competition. We hope that the Independents do organize to the best of their ability and not listen too long to an eccentric old married yodeler.

Think, Independents, look around and see where the men are who are right to run this school. Look closely, it is important to choose the right man for the job. Don't try to block the right man by the gleeful idea of spite because he is a dirty frat man who doesn't want the Independents to dance.

"Mister" Dugdale has stressed the point that we have all too few dances; has he counted them? Does he know the cost that each runs, the money that we, the students, frat and independents alike have to pay for these dances? Does he ever look to see the attendance at these dances?

Here are some of the answers:

1. Each class puts on a dance a year.
  2. The coeds have a dance.
  3. Copper Guards put on four dances a year.
- Also, the Military Ball. This makes a total of ten dances a year or over one a month. Each of these dances ran between \$25.00 and \$100.00. As for attendance, one only has to watch to see that the students this year have too many things to do or excuses to offer to keep from going to a school function. I do not mean only dances, but also basketball and football games. Were you at the games, "Boss" or do you prefer waltzing?

Do you Freshmen who make up the majority of the independents realize that all other school functions are payed out of the Associated Students' funds because sports, debate, and many other functions do not pay for themselves? The student council cannot pay out for more functions without raising student activity rates--do you wish that?

During the past year, the Sigma Rho and the "M" Club have put on several all-school parties at the Rose Garden. True, everything there is not free, but the organizations do nothing but break even. Do you have complaints about these exclusive parties put on by frat men, "Boss"?

Next year, Independents, remember that many of you will like to join a frat. The officers you choose in May will run the school next year. It is indeed food for thought.

## MARCUS DALY

In the 1860's, the first ores were taken from the Butte ground. At first indications, it looked like Butte would be another 'ghost town', so popular in those days; but an Irishman named Marcus Daly showed up and changed the history of Butte completely. With intelligent foresight, he developed Butte. It was not long before Butte was on the map, and known as "The Richest Hill on Earth".

Daly died in 1900, and the least the appreciative citizens of Butte could do, was erect a statue to him. A large bronze statue was made and placed on North Main Street. It was not long before Marcus began to take a beating, especially on St. Patty's night. It is reported that on one such night, a stick of powder was blown up in the old fellow's hat by a rather inebriated miner!!

Finally, it was decided that the statue of Marcus Daly, being a symbol of Butte, should be moved onto the Montana School of Mines campus. Maybe the people who moved him, thought he might be a little safer up here from inebriated miners on St. Patrick's night. Well, they were right, in a sense. Everything went well until the eve before "M" Day, then it was not some inebriated miner who disfigured Marcus's countenance, but some inebriated student. Soon it became almost tradition for Marcus to be painted the night before "M" Day. That wouldn't be so bad if the paint would be cleaned off properly the next day. But no, some of it comes off, and most of it is left on. Gradually, Marcus has become an object almost to be ashamed of.

Until recently, it looked like Marcus's case was hopeless. Then, it appears that one of the campus organizations has been thinking about cleaning the statue, but in order to do it, they wanted the backing of the majority of the school, so that their time and effort would not be wasted. The two fraternities were approached and were asked what they thought; now it looks as if Marcus will never get that good cleaning job that he needs.

It's too bad that such a great man must be forgotten so easily!

Old Timer

Editor's Note:

This "Old Timer" has a darn good idea! Marcus, as he is today, is more of an eyesore on the campus than a respectable work of art.

AMPLIFIER hopes other students hold the same opinion as "Old Timer". Perhaps this organization should not give up their fine intentions

WHO'S WHAT OF M.S.M.?

In the yr. circa 1934 (colloquially known as the year of the "Blue Snow"), "Ion" Macdonald was reincarnated on the plant, Earth, in the form of a bouncing 8-lb. baby boy. The story of "Ion's" childhood is hazy as he was born and raised in Rock Springs, Wyoming. This is a secluded community, but is world renowned for the manufacture of the infamous brew, "Old Drain Pipe on the Rocks". This little concoction is the sequel to "Kick-a-poo Joy Juice" and there is such a local demand for it that none of it gets out of the city.

These being the facts, we can only trace "Ion" after he left Rock Springs, After an uneventful three years in the service, a map of the U.S. and some darts helped "Ion" decide on M.S.M. for his college education.

Mac is currently designing a sump-pump for betatrons. This little 'gadjet' is for removing the invisible precipitates that settle out in the distilled water that is used to balance a centrifuge.

Ion's greatest achievements were gained only last week when he was presented the Gonzales Trophy for being the most peaceful drunk of the week of March 4-10.

The gem of wisdom for this week from Mr. Macdonald is, "The higher you get, the better the brew."

ROOM 114

Mrs. Olsen, upon telling the Coeds of the job opportunities at the Girl Scout Camp as a Counselor, commented that girls with one year of college were much more mature than high school girls. However, she made a slight slip in speech and said, "You'd be surprised how much one year does for your maternity."

DON'T TAKE A "CHANCE" WITH MATCHES --

Matches are dangerous. If you carry them around in your pocket, and you happen to be a faculty member, don't play with them while you are lecturing, because sometime they light up! Don't they, Mr. Chance??

ME HAVE TROUBLES WITH GIRLS?

These are the words of the remarkable George Easton. It seems as if George has received several letters from girls who live in various parts of the country and who are reputedly wealthy in some instances. Says George, "I wish they'd stop writing to me (yawn) cause I really don't have time to answer them. The one who has the \$60,000 farm gives me the most trouble." Tell us, George, how you manage to meet all of these females with such good figures. (Ed. note - rumor has it, that they almost drive George to suicide the other day. Reliable witnesses informed us that George tried to jump out the window from the second floor lounge.)

NEW LOOK

The glasses which we use to drink milk with look very, very beautiful with the red label "New Moxom Cafe" printed on them. Kinda gives us a restauranty feeling.



THE OLD WEST

B. S. Calhoun

Now, I'm goin to tell ya a saga, a sorta soggy saga, but that's what this country needs is a good five cent saga.

The first big town I ever come to, was Gumboyle, Wyoming. It was 50 miles from my ranch where I had 50,000 head of cows, no bodies, just the heads. Well, I come into this here town one day and that's where I met Pochehantus Nelson. She was a half breed - half nelson! Why - when she walked down the street in levis, it looked like two small boys fightin' under a blanket. She thrilled me, that girl, especially coming through the trees and the moon a shinin' through her vericose veins. My Pokey. One day when me and Pokey was out a walkin', up rode Livereatin' Salami in a cloud of dust, no horse, just a cloud of dust. And he said, "you ain't a goin' to marry that gal," and I said, "Oh, yeah." He said, "Oh, Yeah" and drew his 44. I drew my 45; 56's weren't out yet, and a shot rang out and there lay Pokey at my feet. I looked at her and said, "Don't die, Pokey, don't die. I'll plant 1000 acres of alfalfa for ya. She looked up at me with them big brown eyes and said, "That's a lot of crop."

Well - I cremated her last remains and saddled up old Paint and spread her ashes on the prairie, and now when you're out riden' and get something in your eyes, tain't dust, it's a piece of my girls ash.

COMMUNITY NURSES

Editor, The Amplifier,  
Montana School of Mines,

Dear Sir:

The following is an account of various Student Wives Club activities:

The Student Wives Club held a Potluck Dinner for the married students and their families on Sunday, March 25, (as the cast of "The Silver Whistle" knows). A large crowd of married students and, by the noise, a larger crowd of children, were present and made quick work of a delicious dinner. Also on hand for the fun were Dr. and Mrs. J. R. Van Pelt, Dr. and Mrs. Walter T. Scott, Dr. and Mrs. F. A. Hames and family, and Mrs. Oscar Dingman. After everyone had had their fill, Mrs. Bennett Ivey and a group of young musicians entertained. Mrs. Ross Wayment and Mrs. Frank Baker and their committees are to be congratulated on a very successful evening.

New officers of the Student Wives Club are: Mrs. Knownly R. Dorman, President; Mrs. Donald McKnight, Secretary; Mrs. Deloy Wight, Vice-President; and Mrs. Jerry Koons, Treasurer.

The next meeting will be held Wednesday, April 11, at 7:30 and will be followed by a party with the Faculty Wives as guests.

Mrs. E. T. Lonergan  
(Corresponding Secretary)

COPPER GUARDS TAKE IN PLEDGES--

Fourteen new pledges were taken by the Copper Guards at a dinner at the Vegas Club last Tuesday evening. The dinner was well attended with two old members, fourteen pledges, twelve actives and the advisor present.

The pledges who were picked by the instructors and the present members of Copper Guards are: Gus Coolidge, Don Corson, Dave Cushing, Jim Donovan, Dick Engebretsen, Ron Fletcher, Doug Holbrook, Bill Lepetic, Dave Malyevac, Roger Markle, George Maxwell, Carl Plate, Dave Rasmussen and Dick Roberts.

FRANK HOWALD says that JOE TOWN got a 69 in the Mineral Dressing quiz the other day.

Spring Quarter is in full swing now, and we've welcomed our new class of twelve girls. They are: Sharon Byrne, Darlene Nordquist, Anna Marie Hertz, Janet Holmes, Marlene Kirby, Rahna Morgan, Margaret March, Sandra Shaffer, Laura Olsen, Barbara Tysdal, Myrna Vestal, and Sandra Wineinger. We had a buffet supper at the house on March 26th to greet them. Glad you're with us, gals, and may these next years prove to be the richest ones of your lives!

On March 7th we had a striping party and received the stripes for our caps. Third stripes went to the seniors, the Becken Class: Joyce Hoem, Carole Williams, Virginia Redfield, Nena Jean Minette, Betty Neville, Shirley Neuhauer, and Bill Fairchild. Second stripes were given to Anna Denzer, Betty Echols, Dorothy Kezar, Irma Sizemore, Janet Watson, Marianne Llewellyn, Diane Neunaber, Val Handley, and Bev Dyas. First stripes are being worn by the Askew Class: Marge Askew, Carol Brown, Mary Brown, Zaide Tuxill, Ellen Weingart, Pat Crowley, Joyce Naranche, Georgia McQuary, Sandra Enavaldsen, Carol Kohls, Charlotte Redman, Ginny Flatt, Barbara Bresnahan, Chris Lynde, Dorothy Himle, Eleanor Jewell, Marilyn Marston, Anne Kalainoff, Pat Franks and Jan DeMartin. Congrats to you, gang!

Do we ever miss the Bokenkroger class! Suzie and Jones are attending Montana State. Herbie is married to Pete Marinovich and Frannie, married to Gib Carter, is living in Bozeman. Ruth B. Dahlberg has joined her husband Irv. Carole Weber is a busy mother to Julie and Wayne and LuAnn is working in a hospital at Sheridan, Wyoming.

The vacationers returned the middle of March and are back to the grind. We've even passed the post-vacation blues but I'm still wondering wha' happened to those precious two weeks! Now it seems as if they never existed. Lucky kids who are looking forward to theirs in June or September! Oh well!

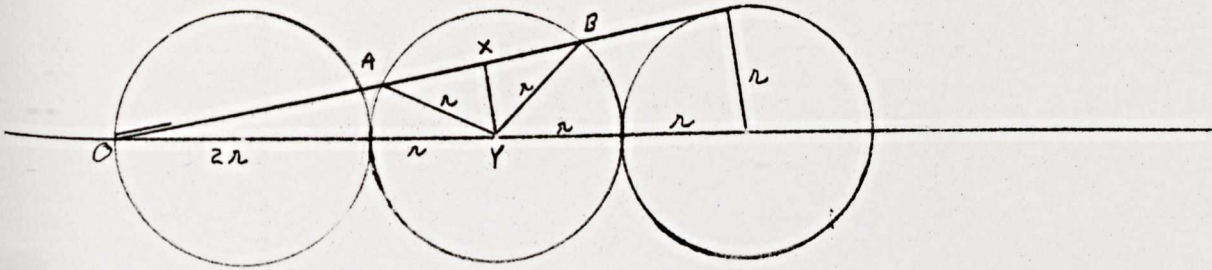
Best wishes to Barbara Bresnahan who is engaged to Bill Eva, to Jean Buchanan and Ted Bertholote, and to Marilyn Marston and Bob Cummings.

Yippee! Jo Czirr is off campus now! She's not too happy!

See ya in the next paper, fellas.

The Nurses.

Now, what we're wondering in the Central Typing Office is where does the male nurse live??



$$r^2 = (AX)^2 + (XY)^2$$

$$r^2 = (XB)^2 + (XY)^2$$

$$(XA)^2 + (XY)^2 = (XB)^2 + (XY)^2$$

$$(XA)^2 = (XB)^2$$

$$AX = BX$$

$$\frac{XY}{r} = \frac{3r}{5r}$$

$$XY = \frac{3}{5}r$$

$$r^2 = (AX)^2 + (XY)^2$$

$$r^2 = (AX)^2 + \left(\frac{3}{5}r\right)^2$$

$$r^2 = (AX)^2 + \frac{9}{25}r^2$$

$$(AX)^2 = \frac{16}{25}r^2$$

$$AX = \frac{4}{5}r$$

$$AB = AX + BX$$

$$AX = BX$$

$$AB = 2AX$$

$$AB = \frac{8}{5}r$$

Ans.

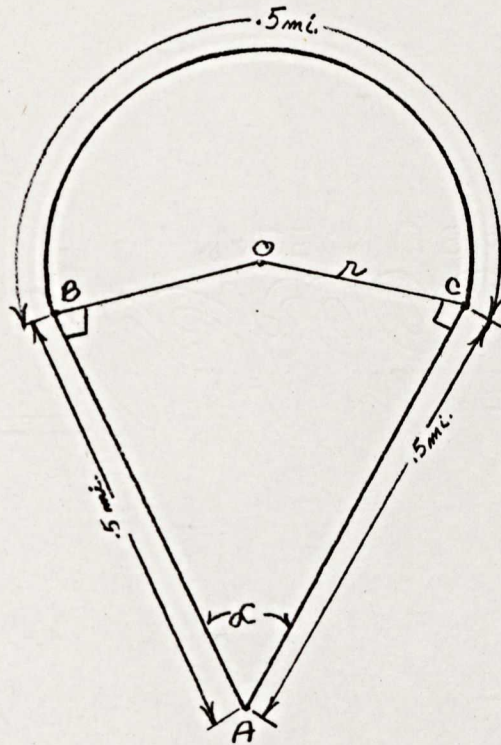
Submitted by Jack A. Jones Pd \$4.00  
3-26-56 - 9:50 - M.P.

ANSWER TO LAST WEEK'S PROBLEM SUBMITTED BY JACK JONES OF ANACONDA

Two other solutions were submitted but Jack's happened to have the earliest time and date.

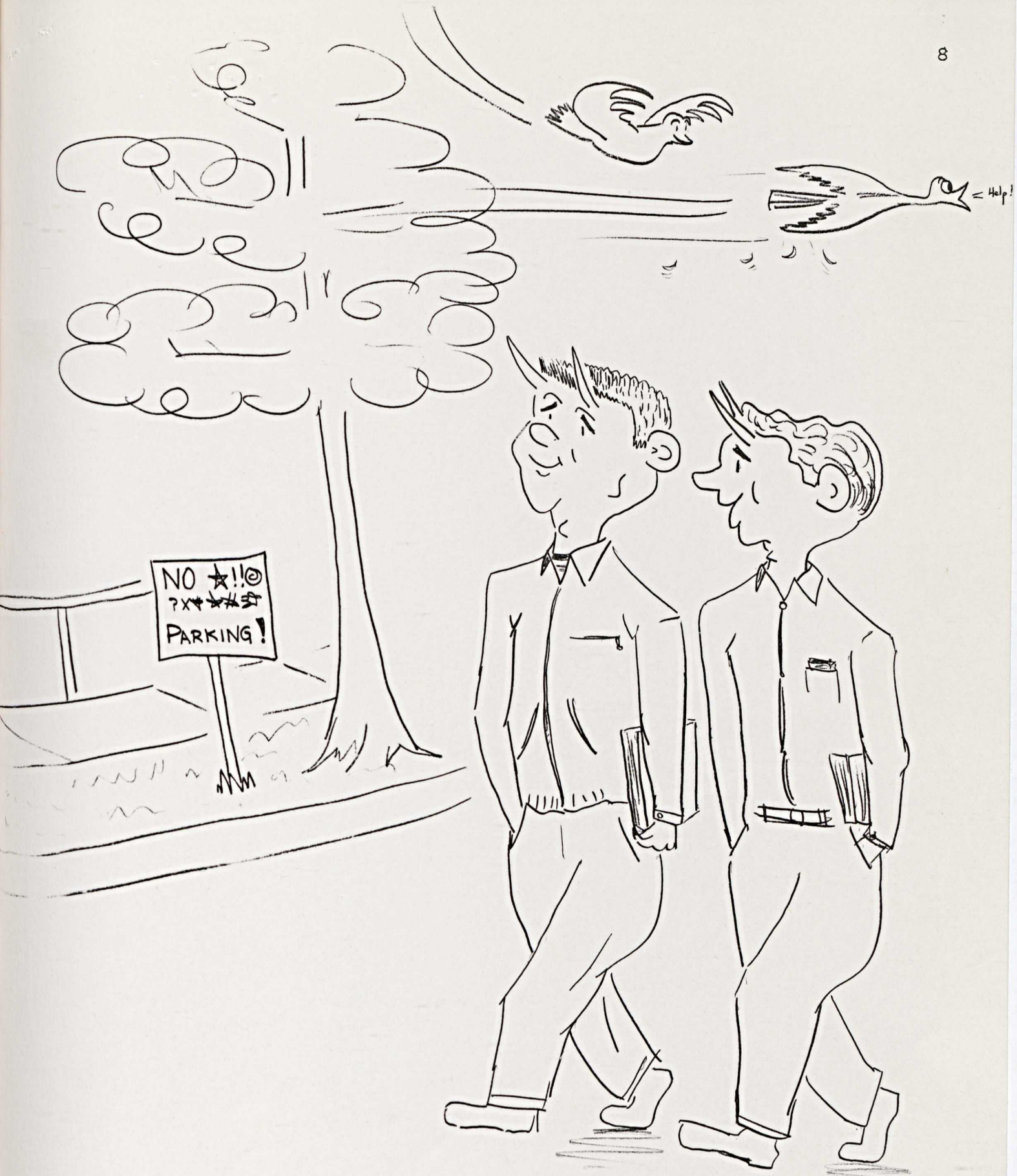


CONTEST FOR JUNIOR STUDENTS



Given:  $AC = AB = 1/2$  mile      Angles  $ABO, ACO$  are right angles  
           Arc  $BC = 1/2$  mile

Find: Angle  $\alpha =$  angle  $BAC$   
        Length of radius  $r$ .



"- Yeah, I'd say spring was here -"