

El Mustang

CALIFORNIA STATE POLYTECHNIC COLLEGE •

Vol. XX, No. 32

EL MUSTANG

Friday, May 1, 1959

Top Ranked Tool Engineer Will Talk Here Monday

A top ranking engineer and Director of Technical and Engineering Training for the R. K. LeBlond Machine Tool Company of Cincinnati, Ohio, and its subsidiaries will speak to the student chapter of American Society of Tool Engineers here Monday night.

Robert E. McKee's illustrated talk, "The Science and Application of Metal-Cutting," will be in Se. E-32 at 7:30 p.m. It will include colored slides and a 10-minute movie.

Student chairman Jesse Crews and program chairman Jim Barth have indicated that the public is invited.

Subsidiaries of the LeBlond Company, to which McKee is connected, include the Cleveland Automatic Machine Company, the Fordick Machine Tool Company, and the J.H. Day Company.

Prior to McKee's affiliation with the company he had 14 years of college engineering teaching and research experience at the University of Michigan, from which he received his master's degree in 1940, culminating in the rank of Associate Professor of Mechanical Engineering.

During this time he did research and consultant work for various companies and government agencies and had many papers published on the subjects of "Machinability" and "Education."

The visiting speaker is a member of one of the A.S.T.M.E. metal cutting sub-committees, has served on the A.S.T.M.E. National Technical Publications Committee, and for three years was chairman of the National Education Committee of the A.S.T.M.E.

In addition he lists membership in the American Society of Engineering Education, Engineering Society of Cincinnati, Sigma Xi, and Sigma Rho Tau.

Electrical Engineers Host Paper Contest

Seven colleges and universities will compete in the American Institute of Electrical Engineers District VIII student prize paper scheduled here Saturday. The contest begins at 2 p.m. in Se. E-32.

Represented here will be Cal Poly, Arizona State University, Cal Tech, University of Arizona, University of California, University of Nevada, and University of Santa Clara.

"Matters of Time and Space," an illustrated lecture by Dr. E. W. C. Wilkins, will be the feature attraction of the awards dinner at the Breakers Cafe in Morro Bay the same evening. Dr. Wilkins is presently a consultant to NATO, lecturer at UCLA, and research specialist for operations research division at Lockheed. His background includes professorships at Oxford and Cambridge Universities in England and Cairo University in Egypt. He has been the recipient of many honors in this country as well as in England and on the continent.

O. A. Gustafson, A.I.E.E. vice president from San Francisco, will present the awards to the winning papers. First prize, \$125 and all expenses paid to the summer general meeting of the A.I.E.E. to be held in Seattle; second prize \$100; and third prize, \$65. Dale Barcus, Los Angeles; Dr. Robert Johnson, Palo Alto; H. K. Farrar, San Francisco and Robert Humphrey, Los Angeles, compose the judges panel.

Bruce Walton, E.E. senior will represent Cal Poly with his paper entitled "Design and Construction of a Transistor Selective Amplifier for Synchronizing a Tape Recorder and a Slide Projector." Walton earned the honor by placing first in a field of five in the local elimination contest held earlier this month.

Next One May 15

Due to mid-term exams, this is the last edition of El Mustang until May 15. Deadline for that edition is Tuesday, May 12, at 5 p.m.

SAC Approves Budget Transfers, Codes, By-Laws

Three budget transfers involving rally committee, Poly Royal board and College Union board were approved at student affairs council meeting. Other items of business discussed were spring leadership conference and new codes and club by-laws coming up for approval at later meetings.

Finance Committee reported that the 1959-60 budget would be presented to S.A.C. at next week's meeting; however, discussion of the budget would not begin until the following week. No arguments relevant to the budget will be allowed at next week's meeting.

The Finance Committee recommended that the student legislative group should approve all livestock judging team schedules prior to the season in which the trips are to be made. The recommendation was approved.

S.A.C. approved the ticket price of \$1.50 for this year's spring leadership conference to be held June 7 at the Veterans Memorial building. All presidents, chairmen, officers, or other interested representatives of campus clubs, boards, or committees are invited. chairman include Julie Pratt, general chairman; Bob McCorkle, program; Dave Rickman, arrangements; Roger Perkins, invitations and tickets; John Zacharias, decorations and Dick Robben, clean-up.

Bob Alberti, constitution and codes committee chairman, announced that two club by-laws and one code are posted outside the A.S.B. office. These are Roger Williams fellowship, Alpha Zeta, and women's residence hall code. Under consideration by the committee at present are the Westminster Fellowship by-laws, Arts and Sciences council code, code on codes, the club recognition code, Board of Publications code, Welcome Week code, and the fall leadership code.

Two Instructors Accept Summer Institute Bids

Two Cal Poly instructors have accepted invitations to attend Summer Institutes at Monterey Peninsula College.

R. W. Reynolds and Earl R. Hoach, both of the Mechanical Engineering department, will attend two four-week institutes specializing in engineering graphics and materials. The institutes are presented by the University of California in cooperation with the National Science Foundation.

Pool Closed

The college swimming pool will be closed for recreational swimming on Wednesday evening, May 6. Dr. Robert Mott, Director of Physical Education, announces.

The pool will be reserved for Future Farmer delegates.



MAC SHORT WINNERS—Shown here with their winning project, Jim DeLamare (left) and Dalton Sherwood have been announced 1959 winners of the Mac Short award for the young engineers who have contributed the most to engineering in the past year. This marks the sixth time Poly students have won the award. (Photo by Paul Grill)

Polyites Cop Short Award; Sixth Win for Poly Men

Two Mechanical Engineering seniors have been announced 1959 winners of the Society of Automotive Engineers' annual Mac Short Award. Dalton Sherwood, North Hollywood, and Jim DeLamare, Morro Bay, won the contest with a paper titled "Design and Testing of a Ram Jet."

This marks the sixth time Cal Poly students have won the award in nine presentations.

The trophy is presented in memory of Mac Short, the former chief engineer for the Lockheed Aircraft Corporation, to the young engineer who has contributed the most during the past year to engineering. After completion of the paper it is presented to a panel of engineers who choose the winner.

Students participating this year were from Cal Tech and Northrup

Aeronautical Institute.

Sherwood and DeLamare represented the local chapter of S.A.E. while the award is presented by the Southern division of S.A.E.

The two men said the idea came to them over a cup of coffee last year. They did the actual design during the summer and have spent about 1,200 hours on the project.

The seniors said it started as an applied research project and consists of theory, design and testing of the ram jet. It encompasses everything in industry would go through in production.

DeLamare said that each engine of this type is an individual project resulting from the individual's interpretation of the theories of production. The ram jet here is built on scale size and is the smallest type of this engine ever built which burns liquid fuel, says DeLamare.

"Engineers told us we would have trouble with liquid fuel, so we devised a special type of fuel injection system to enable operation," DeLamare said.

Sherwood added that the maximum internal diameter is two inches and is approximately two feet long producing more than 500 horsepower. The jet has no moving parts and has an efficiency of more than 50 per cent.

For each pound of weight of engine, it produces about 100 horsepower.

Basic stipulations of the design were velocity of mach two and one half—two and one half times the speed of sound—altitude of 50,000 feet, and normal requirements of tactical operation, referring to 300 500mph interceptor missiles.

McGraw Says Poly Royal Crowd Good Despite Rain

One of the best first day crowds in history attended the 57th annual Poly Royal according to Ed McGraw, Poly Royal student chairman, and he further implied that if it hadn't rained there possibly would have been an all-time attendance record.

Students Wanted

Applications are open for editorial and business positions on Cal Poly publications. Positions open are editor-in-chief, El Mustang, editor, El Rodeo, and publications business manager.

These positions are open to any Cal Poly student, regardless of major, and the board of publications urges all persons interested to submit applications.

All applications will be considered by the board which makes a recommendation to Student Affairs Council for final approval.

Application blanks may be obtained from Gale Enstad in Adm. 21 or from L. L. Nicholson in Ag. Ed. 218. Deadline for applications May 9.

Anyone interested in summer work on El Mustang may contact John Healey in Adm. 21.



PROUD FELLERS—Jim Nelson (left) and Bruce Cowie express pride over this year's Home Concert record going on sale soon. The records will go on sale in front of El Corral as soon as they arrive. Prices are \$3.50 for the Home Concert record and the specialty recording will go for \$2.50. The recordings are true high fidelity and include performances of Men's Glee, Women's Glee, College Glee, Collegiate Quartet and the Majors and Minors. (Photo by Carol Bucher)

Editorially Speaking

Somebody's Dead

Are the minds of Cal Poly students at such a low ebb that their only concern in letters to the editor is the size and shape of coeds? The recent onslaught of correspondence makes it appear so.

It seems that college students would have more serious matters to occupy their time.

Let's begin with student government. Interest in it here was displayed at the campaign meeting held just prior to elections. The meeting, open to everyone, was attended by no more than 85 students, with a good portion being seniors. That small nucleus of students, however, carried out a discussion which would have interested nearly all students. Only a few more than 1,500 turned out to vote.

The number of candidates for student body officers shows it too. This is where little brother—Kellogg-Voorhis student body—makes this campus look deathly sick. We had six candidates—they had 27.

It appears that students here must be entertained rather than educated in student body affairs. Cal Poly students on this campus are apparently suffering from America's idea that pleasure outstrips obligation in most strata of our society. General concern, even for education, is difficult to separate from apathy.

How many of you have ever challenged a decision made by the Student Affairs Council? Is our student government so efficient or so perfect that it's free from error? According to the attitude of the general student body this is true.

It could all lead back to the selfish, constrained, "It's not affecting me directly" attitude prevalent in those students preoccupied with weekend parties and trips to the beach.

But, it is affecting you. That's your money being spent by a small, select portion of the student body.

It's time somebody got off their big fat chairs and did something besides blubber in their coffee about how things are run around here. S. A. C. is doing its best to serve you, but without your kindling interest, the council lacks fire.

Mein Kempf

by Dave Kempf

Ever work for 11 cents an hour? That's what the Collegians are doing. They're rather tired of it too. The horn tooters are looking for a little raise. All they want is

\$8 for a three hour dance or \$12 for four. That's for a 15 piece band and totals \$120 for three hours or \$180 for four. They aren't asking for much when you consider their initial investment for clothes totals \$78. Then, too, how many local union bands could organizations get for the price the Collegians are asking? Not many. A four-piece union band would set us back easily as much as the Collegians. And then compare the music. Just frantically, last year the Jerry Gray orchestra played for the Poly Royal carnival dance for \$1,000. The Collegians played for the Coronation Ball for \$180. Cal Poly students have a good thing in their own college dance band, and if we aren't willing to pay for it soon, it's going to be much too late.

A few questions and gripes about El Mustang of late have proven how little most students know about the paper. Some statements made by a few of the candidates for A.S.B. posts at the campaign meeting proved their ignorance, too. It wouldn't hurt the chronic grippers to learn the internal structure of the paper. Then if they still want to argue, it's their privilege to take it up with the Board of Publications. Take your gripes to the place where they count. By the way, applications are open for editorial and business positions.

Just an added note: El Mustang is NOT merely a product of the Ag Journalism department as suggested by a member of the administration. But the same man recognizes it as a student body newspaper when there's something he does or does not want to appear. Could be he thinks it should be a tool for College Union.

From the Chemical News: "For automobiles of the future: photo-sensitive pigment paint making possible any color. In a neutral white, varying colors will be obtained by playing an electromagnetic radiation gun on the paint."

Poly Royal brought many interesting little items, but among the best on the list was the sign made by "Chauncey" White for the Printing department. Spelled printing wrong. Said Chauncey, "Whaddya expect at 8 aye."

Maybe you thought the letters we did print during the feud with the coeds were bad, but you should see the ones that didn't make it!

Out of the Din

Fine Job

To the Editor:

Very seldom do I ask the use of your columns for a letter to the students, but in this instance I have a special reason for reaching the entire student body, its officers and those in charge of Poly Royal. Thank you for this privilege.

Poly Royal this year was handled in a most competent manner and reflects credit on the students responsible for many details and events. The professional managing and the quality character of Poly Royal events and exhibits were evident to our guests. The students should be extremely proud of the fine job they did this year. I commend them all.

Personally, I was happily surprised by the giant greeting card attesting my quarter of a century at Cal Poly. That more than 8,500 students signed it is, to me, very touching. The memento, even though it is "king size" and won't fit into a desk drawer, is something I will long cherish. I think it is one of the finest things any student body could do for a college president.

My sincere thanks again.

Julian A. McPhee
President

Clean 'em Up!

To the Editor:

Interesting, the comments in your April 10 column about the clean-up job at the farm shop. This is certainly an outstanding example of constructive journalism, and should do much to encourage the help and cooperation of the people at the farm shop in making available facilities for the construction and storage of future Homecoming floats!

Do the individuals who sparked your pen expect to abandon their rusty hulks of float skeletons in the farm shop yard, often without even stripping the paper from them, and then expect to find them intact a year later with the same welcome mat waiting at the shop door?

Last year the farm shop had requests to save two floats—the Queen's float and one other. These have been left intact and are stored up the canyon. The others, some unused for several years, were dismantled and scrapped. It is unfortunate that the same enthusiasm and energy exhibited by students in building floats for the Homecoming parade is not always evident after the show is over, and that the farm shop crew is obliged to clean up the mess in order to keep our campus presentable.

The boys at the farm shop lean over backward to cooperate and help with a great many student sponsored activities throughout each year. They will continue to do so as long as they feel that their efforts are appreciated.

James F. Merson,
Head, AG Engineering

Campus Will Host 1,400 Future Farmers May 5-9

Approximately 1,400 Future Farmers of America from 282 high schools throughout California will be on campus May 5-9 for several annual state-wide events.

First activity will be a meeting of the state executive committee of the F.F.A. from Tuesday noon to Wednesday noon. The committee is headed by State President Robert Hoster, Animal Husbandry major from McArthur. It includes six state officers, six regional presidents, and six immediate past state officers.

The 11st annual convention opens Wednesday noon and continues until Friday noon. Highlighting the speaking program are National F.F.A. President Adin Hester, Aurora, Ore., National Vice-President Bryan Hafen, Menlo Park, Nev., representing the Pacific region; Mrs. Alyce W. Lowrie, Sacramento, information specialist for the Agricultural Council of California; Joseph Giacomini, Fortuna, former state F.F.A. president and national vice-president, now a prominent Humboldt county dairyman; Lucinda Nill, Avenal, state president of the Future Homemakers of America; and Regena Colvin, Paso Robles, state historian of the F.F.A.

Greetings will be given by Harold Hayes, Cal Poly executive dean appearing in the absence of President Julian McPhee; Peter Pedrassi, Gonzales, president of the California Young Farmers; and G. Allen Sherman, Pomona, president of the California Agriculture Teachers Association.

Major attention is centered on the annual awards banquet Thursday evening when six boys will be named "Star State Farmer" for their respective regions. One will be named "California Star State Farmer," and five will be honored for their achievement under the National F.F.A. Foundation program, in dairy farming, farm and home electrification, farm mechanics, farm safety and soil and water management.

El Mustang

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(San Luis Obispo Campus)
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Published twice weekly during the school year except holidays and examination periods by the Associated Students, California State Polytechnic College, San Luis Obispo, California. Printed by students majoring in Printing, Division of Engineering. The opinions expressed in this paper in signed editorials and articles are the views of the writers and do not necessarily represent the opinions of the staff, views of the Associated Student Body, nor official opinions. Subscription price \$2.00 per year in advance. Office, Room 21, Administration Building.

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—ARROW—

first in fashion



Mustang Mermen Defend Title In Southern Meet

Mustang mermen put their undefeated season on the line this weekend when they defend the California State College Swimming Championship against nine challengers in the Long Beach College pool. Events started last night and will continue all day today and tomorrow.

The most serious challenge is expected to come from San Jose State, with host Long Beach State given an outside chance. Other teams entered in the meet are Fresno State, the California Maritime Academy in Vallejo, Los Angeles State, San Diego State, Cal Poly (Pomona), San Francisco State and San Fernando State.

All-American Gene Lens will lead the Poly mermen as he will compete in the 1500-meters, the 440 yards and the 320 yards. Coach Dick Anderson expects a top performance from Lens, one that could result in the breaking of his own records in all three events.

Anderson listed other entries: Sprinters Bob Wright, Jim Olson and Francis Bell; distance men Lens, Darwin McGill and Allen Starr; backstrokers Larry Cole and Val Geisler; breastrokers John Phillips and Bob Downey; butterfly swimmers Bob Loeffler and John Carr; and divers Leigh Allen, Norm Boudreau and Gordon Wall.

Thinclads Vie For CCAA Track Title

One of the tightest finishes in CCAA track history is on tap this Saturday night in the Main City as Fresno State hosts the 1959 conference meet. Preliminaries are to begin at 6:30 p.m. in Hatfield Stadium with finals slated for approximately 9 o'clock.

Defending champion Fresno State has lost much of its scoring punch from last year and will have to be at their best to retain the title, according to Cal Poly track mentor Jim Jensen. The Mustang coach figures Los Angeles State to capture the '59 crown, with his own thinclads giving Fresno State a battle for second place. Jensen figures University of California at Santa Barbara, San Diego State, and Long Beach to finish—in that order—behind FSC and the Mustangs.

Poly's contingent will be headed by versatile Vic Hall, who is expected to sweep first places in both the 100 yard dash and 220. Hall sprints the century in 9.4 and tours the furlong in 21.8. He will compete in the high jump (6-8) and the broadjump (28-3), Saturday night, besides running the anchor lap of the mile relay.

Hall ran the final 440 yards of the winning mile relay in last weekend's Mount San Antonio Relays, where the Mustangs placed first in that event with a time of 8:17.9. This effort bettered the 8:20.1 mark set earlier this season which stood as the college record. Other members of the relay quartet, besides Hall, were Cody Evans, Louis Rodriguez and Dennis Hester.

Other Mustangs figured by their coach to tally points for the green and gold, Saturday, include distance man Don Lee and half-miler Rodriguez. Lee has toured the mile in 4:28.8 and has recorded a 10:00.8 time in the two-mile event. Rodriguez runs a 1:55.880 which should place in the league outing.

Horsehidors Face Diablos; Gauchos In CCAA Action

After stepping out of conference play for a 5-2 win over the Westmont Warriors, Tuesday, Mustang baseballers return to CCAA action by taking on the surprising second place Los Angeles Poly Diamond. Tomorrow the gauchos host the Santa Barbara Gauchos in a 12:30 double header.

Jim Newkirk, 1958 All-CCAA moundman who is having his troubles this spring with a 1-7 record, is slated to take the hill in today's game. Bill Collins is to open against the Gauchos in the first game while Dan Hawk is to handle the duties in the nightcap.

The Mustangs' CCAA record stands at three wins and six losses, following the Fresno State 28-1 drubbing. This puts them in fifth place.

Netmen Invade South For Weekend

Fresh from an upset victory over Fresno State, Poly tennis-men travel south this weekend facing three big matches. The Mustangs were to meet Los Angeles State yesterday, and are playing San Diego State today, and Long Beach State tomorrow.

After the six singles matches, Coach Ed Jorgensen indicates he

will team up Don Lord and Bob Bonifas for the number-one doubles team, Lingham and Tom Darnell for number two, and Gary Longanecker and John Sanford for number three.

In the Fresno State match, the singles were split with Lord, Bonifas, and Longanecker losing, while Sanford, Lingham, and Darnell won.

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Girls Ace Men Again Grade-Point-Wise

Women's residence halls on campus out-did the men for the second straight quarter grade-point-wise.

Chase Hall, housing junior and senior girls, was on top with a 2.45 G. P. A. during the winter

quarter. The sophomore girls of Jespersen trailed closely with 2.41.

For the first time this year, a men's hall placed in the top three, as the freshmen of Tehema came through with a 2.39 average.

Electrical Engineers Have No Trouble Finding Work

A study recently completed by the Electrical Engineering department shows that these men have had an average of 6.9 employment interviews and have received 8.5 job offers.

The salary range of the offers has been from \$878 to \$978 per month. Fifteen, out of a total of 28, seniors have accepted offers at a monthly average of \$580 and a top of \$678.

Lost: One Student

To the Editor:

Will the student who returned my federal tax refund please come to see me?

Dr. Glenn Noble
Head, Biological Sciences

WIN with WIN with WIN with

COLLEGE PUZZLE CONTEST

FOR STUDENTS AND FACULTY MEMBERS

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ENTER OFTEN—HAVE FUN—AND WIN! But think carefully! This puzzle is not as easy as it looks. At first the DOWN and ACROSS clues may appear simple. There may appear to be more than one "right" answer. For example, the clue might read: "Many a coed will be given her best date's P-N." Either "I" (PIN) or "E" (PEN) would seem to fit. But only one answer is apt and logical as decided by the judging staff, and therefore correct. Read the rules carefully. ENTER AS OFTEN AS YOU WISH. Good luck!

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2. Fill in all missing letters . . . print clearly. Use of obsolete, archaic, variant or foreign words prohibited. After you have completed the puzzle, send it along with six empty package wrappers of the same brand from L&M, Chesterfield or Oasis cigarettes (or one reasonable hand-drawn facsimile of a complete package wrapper of any one of the three brands) to: Liggett & Myers, P. O. Box 271, New York 46, N. Y. Enter as often as you wish, but be sure to enclose six package wrappers (or a facsimile) with each entry. Illegible entries will not be considered.

3. Entries must be postmarked by midnight, Friday, May 29, 1959 and received by midnight, Friday, June 5, 1959.

4. Entries will be judged by the Bruce-Richards Corporation, an independent judging organization, on the basis of logic and aptness of thought of solutions. In the event of tie, contestants will be required to complete in 25 words or less the following statement: "My favorite cigarette is (Chesterfield) (L&M) or (Oasis) because . . .". Entries will be judged on originality, aptness of thought and interest by the Bruce-Richards Corporation. Duplicate prizes will be awarded in event of final tie. Illegible entries will not be considered. By entering all entrants agree that the decision of the judges shall be final and binding.

5. Solutions must be the original work of the contestants submitting them. All entries become the property of Liggett & Myers and none will be returned.

6. Winners will be notified by mail as soon as possible after completion of the contest.

7. This contest is subject to all Federal, State and local laws and regulations.

HURRY! ENTER NOW! CONTEST CLOSES MAY 29, 1959

CLUES ACROSS:

1. These may indicate that a nation is prepared to wage war in the air.
6. Some college students.
10. When at Light up an Oasis.
11. Sinking ship deserter.
12. Plural pronoun.
13. One expects discussions in a sociology class.
16. A student's careless might annoy a short-story instructor.
17. Initials of Uruguay and Denmark.
18. Germanium (Chem.)
19. Nova Scotia (Abbr.)
21. It probably would count when you pick a horse to bet on.
22. Sometimes a girl on a date must into her pocketbook to help pay the tab.
23. The muscle-builder's may fascinate a poorly developed man.
24. Chemical Engineer (Abbr.)
26. Campers will probably be by a forest fire.
29. When starting a trip, tourists usually look forward to the first
31. At home.
32. Literate in Arts (Abbr.)
33. Familiar for faculty member.
35. Associate in Arts (Abbr.)
36. One could appear quite harmless at times.
37. Reverse the first part of "L&M".
38. What will soon appear in a bombed-out city.

CLUES DOWN:

1. The beginning and end of pleasure.
2. A rural can be inviting to a vacationist.
3. Second and third letters of OASIS.
4. When one is packed, it could be exasperating to remember a few articles that should be included.
5. It would pay to be careful when glass is
6. Grounds to relax on with a mild CHESTERFIELD.
7. Author Ambler.
8. District Attorney (Abbr.)
9. A from Paris should please the average woman.
12. An inveterate traveler will about distant lands.
14. are hard to study.
15. Stone, Bronze and Iron
16. How Mexicans say, "Yea".
25. All L&M cigarettes are " high" in smoking pleasure.
26. May be a decisive factor in winning a horse race.
27. Initials of Oglethorpe, Tona, Rutgers and Emerson.
28. United Nations Organization (Abbr.)
30. Golf mound.
32. Colloquial for place where the finest tobaccos are tested for L&M.
33. Post Laureate (Abbr.)
34. Filter ends.
35. What Abner might be called.
36. Bachelor of Education degree.



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This entry must be postmarked before midnight, May 29, 1959, and received at P. O. Box 271, New York 46, New York, by midnight, June 5, 1959.

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