

MATHEM-ANTICS

Greetings, lovers of logs and logic, you are now entering the threshold of puzzledom. In future weeks you will be exposed to difficult and simple, perplexing and ingenious puzzles and problems in mathematics and logic.

Each week there will be two or three puzzles for you to work out. If you send your solutions to me, at the address given below, they will be carefully examined and the best answers (or the correct one) will be published in this column. Send them to: DAVIS'S MATHEM-ANTICS, Box 24, Aitker House, UNB.

The first is a problem in logic. It is fairly simple. A group of UNB students were in the Tartan Room one evening, talking. They discovered, to their amusement, that each one belonged to exactly two societies. Each society was represented by exactly three students. Every possible pair of societies involved has exactly one member of the group in common. How many people were in the group, and how many different societies were represented?

This second one is interesting. As in Figure 1, a hole six (6) inches long is drilled clear through the center of a solid sphere. What is the volume of the material remaining? (No information has been left out). Give a physical explanation or interpretation of this perhaps surprising result, if you can.

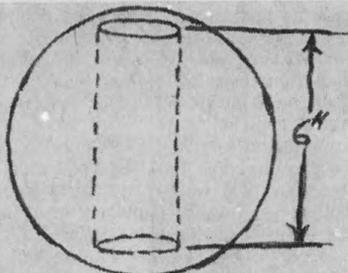


Figure 1

Job Interviews

Companies on Campus to Conduct Interviews, January 25th to 31st Inclusive:

Associated Electrical Industries.
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Civil Service (interviewing Foresters).
Mobil Oil.
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ENGINEERING WEEK

Saturday — The Wassail.

Sunday — Engineers met Foresters Sunday evening in their second annual grudge match.

Monday — Open House was held in the Engineering Building.

Tuesday—Film night—A film of general interest was shown in Carleton Hall.

Wednesday — Speakers—one of the main attractions of Engineering Week is the speaker or speakers which we are fortunate to hear through the co-operation of the E. I. C. This afternoon at 4:15 in Carleton Hall, Room 106 a technical paper will be given by Mr. C. W. Hodgson. This evening Dr. K. F. Tupper will speak on "An Engineers Peek at Russia". Two very interesting and most informative talks which are a must on your list of activities for this week.

Thursday — Sports Night.

Friday — Engineering Formal—Engineering Week will be brought to a close with the Formal Dance featuring music by the Black Watch Combo and a buffet lunch. The highlight of the evening will be the crowning of the Engineering Queen, Miss Mary Ellen Steeves.

The Engineering Society is looking forward to a successful Engineering Week for '62.

There are more Albanians born in Albania every year than anywhere else in the world.

cross currents

by greg knight

The development of new sovereign nations and the development of the world socialist system signifies in the opinion of Dr. A. Aroutunian "an acute all round weakening of the capitalist world system".

Yet the Soviet state is experiencing the most pervasive "all round weakening" since her revolutionary inception. For the Russian Communist system is based upon an inflexible ideology. In this system ideological conflict is inevitable. The ideological heresies of "Titoism", "Maoism" and even the recalcitrance of little Albania are manifestations of this fomenting ideological struggle within the Communist Bloc. Does this indicate that the Soviet 'Empire' is crumbling? If not, will the ruling Communist elite succeed in their attempts to mold a nation of robots by thorough execution of their programme of subliminal thought control? Since nine-tenths of life is the subconscious life, success in this scheme, would mean unified support within the Communist Bloc for Russian Communist leadership. This would result in a solid unified Communist Bloc. This unity combined with the overwhelming advance of Communist industry and technology could fulfill Communist aspirations for world domination whether it is accomplished by economic warfare or direct aggression.

Russia's fear of a conflict within the Communist Bloc is evidenced by her repeated attempts to stifle the capitalist propaganda of Radio Free Europe. For propaganda can only have an effect upon receptive minds. If the Russians thought otherwise, they would long ago, have directed a propaganda barrage against the North American Continent.

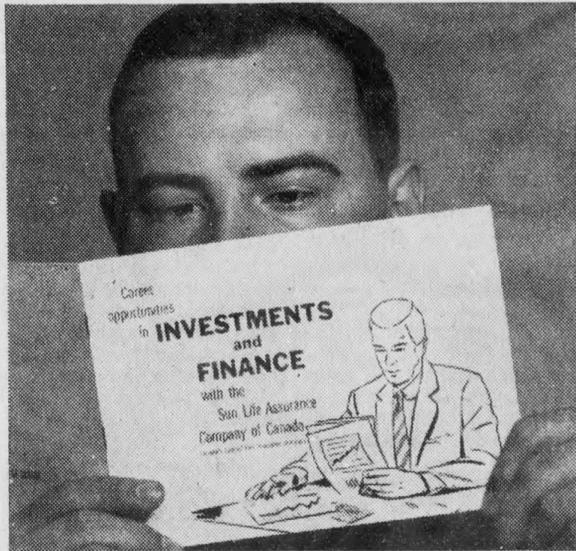
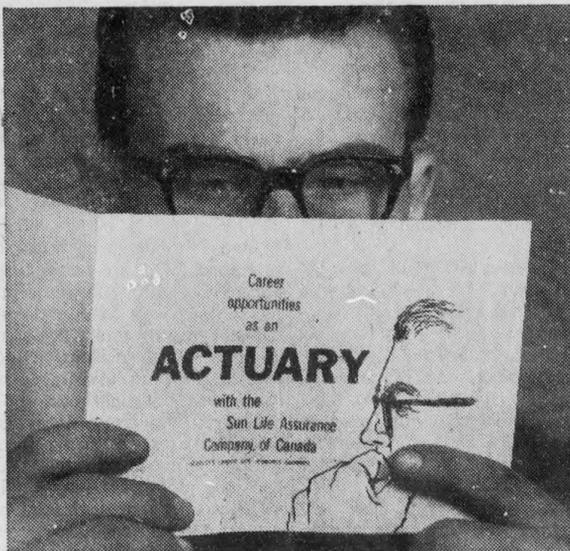
Dr. Aroutunian stated that "the only alternative to total destructive war is peaceful co-existence" and that peaceful co-existence implied more than the absence of war. If Kennedy and his military advisors believe this statement to be fact rather than party line, then they will be forced to revise their defence planning which is mainly oriented toward a limited war and the development of nuclear weapons as a deterrent. The U. S. Foreign Office must also take into consideration, the 'loom' of Dr. Aroutunian's statement in light of Kennedy's brinkmanship.

Yet if Kennedy's hard line toward Russia is softened as a result. How is the U. S. going to lead the West in maintaining her diplomatic edge, if she has one? Can Sergeant Shriver's Peace Corps help in any way to improve America's foreign image?

(Continued on page 8)

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