

the Other SIDE

By GERRY LANDSMAN



Dr. Cleveland and Dr. Murray

Scientific collaboration between experts in different fields is often difficult to achieve. Differences in scientific viewpoint and in personalities often stand as an effective bar to such scientific unions. However, the foregoing has now been the case in the collaboration of Dr. Maurice J. Murray, acting chairman of the Department of Chemistry, and Dr. Forrest F. Cleveland, associate professor of physics. Their long productive association in the fields of Raman spectra and infrared spectroscopy attests to the success of their combined efforts.

Dr. Cleveland received his A.B. in chemistry, summa cum laude, from Transylvania College (Ky) in 1927; he received his master's degree in organic chemistry from the University of Kentucky.

At this point circumstances caused a shift of interest from the field of chemistry to that of physics, particularly electromagnetic theory. This was to result in his receiving his Ph.D. in Physics. His thesis paper titled "Magnetic Forces of Moving Charges" was concerned with classical electromagnetic theory. After holding several other pedagogical positions, Dr. Cleveland was appointed chairman of the Departments of Mathematics and Physics at Lynchburg College (Va.) in 1935.

Dr. Murray decided early upon his choice of a profession. He received his A.B. in chemistry from De Pauw University in 1925. Becoming a graduate assistant at Cornell, Dr. Murray received his Ph.D. in Chemistry in 1929. His principal graduate interest was in the field of physical chemistry.

His next important appointment was as chairman of the Dept. of Chemistry at Lynchburg College in 1930. He was later to publish a volume entitled "Introductory Qualitative Analysis" in conjunction with R. B. Corey of C.I.T.

Soon after Dr. Murray's appointment at Lynchburg, both he and Dr. Cleveland decided to collaborate in their research activities. Deciding upon the general field of the structure of molecules, which is intermediate to both physics and chemistry, they entered upon their research in Raman Spectra.

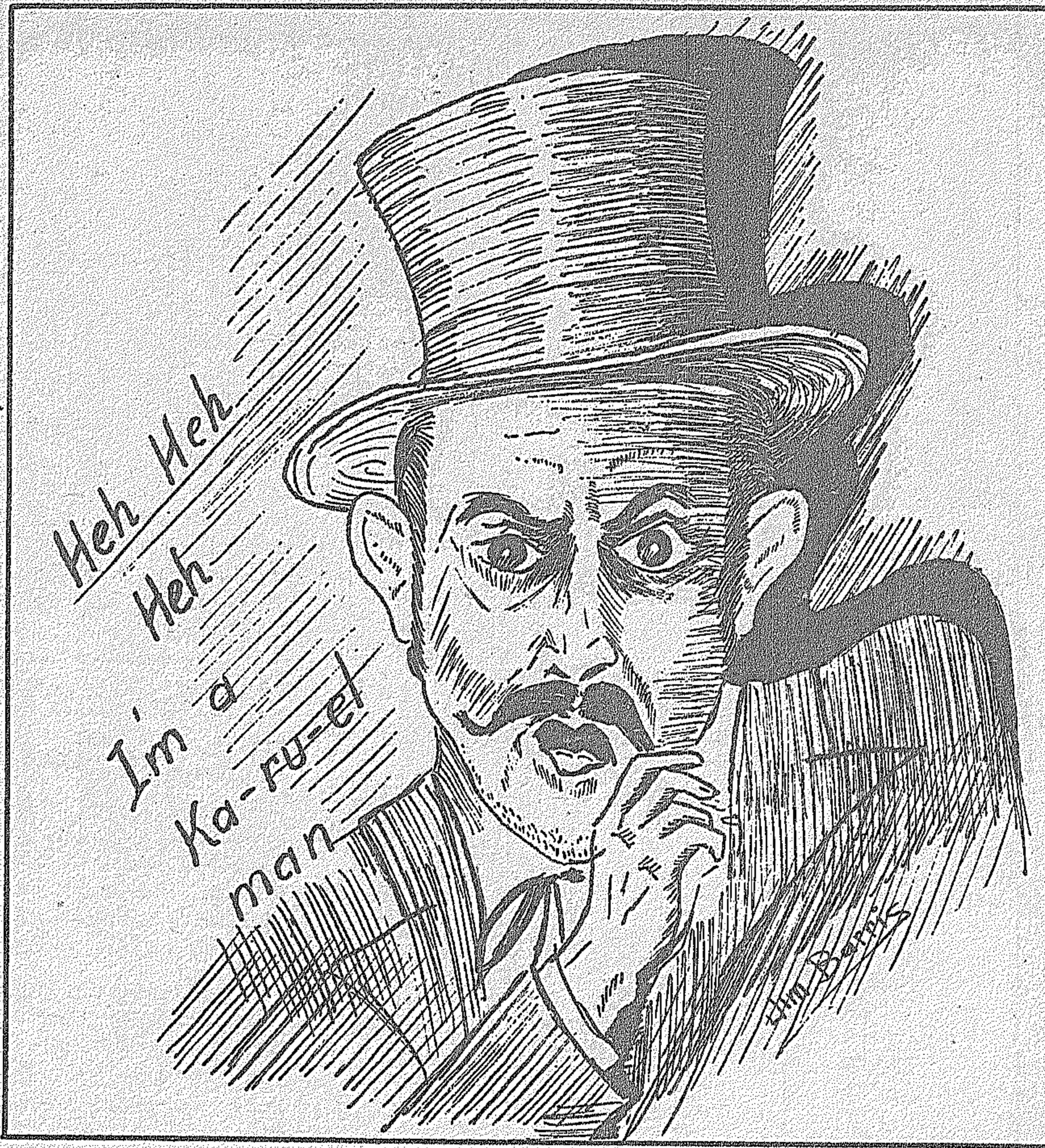
Despite the handicap of inferior equipment, Drs. Murray and Cleveland's work elicited research grants from the Virginia Academy of Sigma X, and the American Association for the Advancement of Science.

In 1939, each was appointed as assistant professor in his department at IIT. Each now holds the position of associate professor, Dr. Murray becoming acting chairman of the Dept. of Chemistry upon Dr. Freud's departure.

During the period of their collaboration they have presented 27 papers on their results. They have used the Raman Spectra in the study of acetylene compounds, olefins, and many other organic compounds. Many important results were obtained in their studies.

Among these was a method for determining the polarization of Raman lines, observations on how certain chemical reactions proceed, and the determination of the maximum yield of some chemical compounds.

The "Drunkard's" Villian-Lawyer Cribbs



LEWIS SNOOP OF THE WEEK

Hats off to Isabella Winter. Not only did she sell a number of bids to the Engineer's Escapades but she was also willing to go to the dance with Dick Michalek to help the cause.

Saddest Sight of the Week—Pete Minwegen shaking hands with people and trying to sell them a bid to the "Engineers' Escapades." It seems that the strain of putting on a dance was too much for old Pete's mind.

Puzzle of the Week—Why did "Sonny" Weissman have to install a fence and gate in his office to keep the loiterers out of the inside section? If you think it was Sonny's personality that attracted all those fellows, your mind is on too high a plane for this column. May we suggest that you read "Mail Call" or an editorial instead.

Aladdin's lamp had nothing on Bob King's ring for being passed around. It's considered quite the thing to wear Bob's ring while working on the switchboard. Could be there's one of those microscopic Parisian views in the shank of the ring.

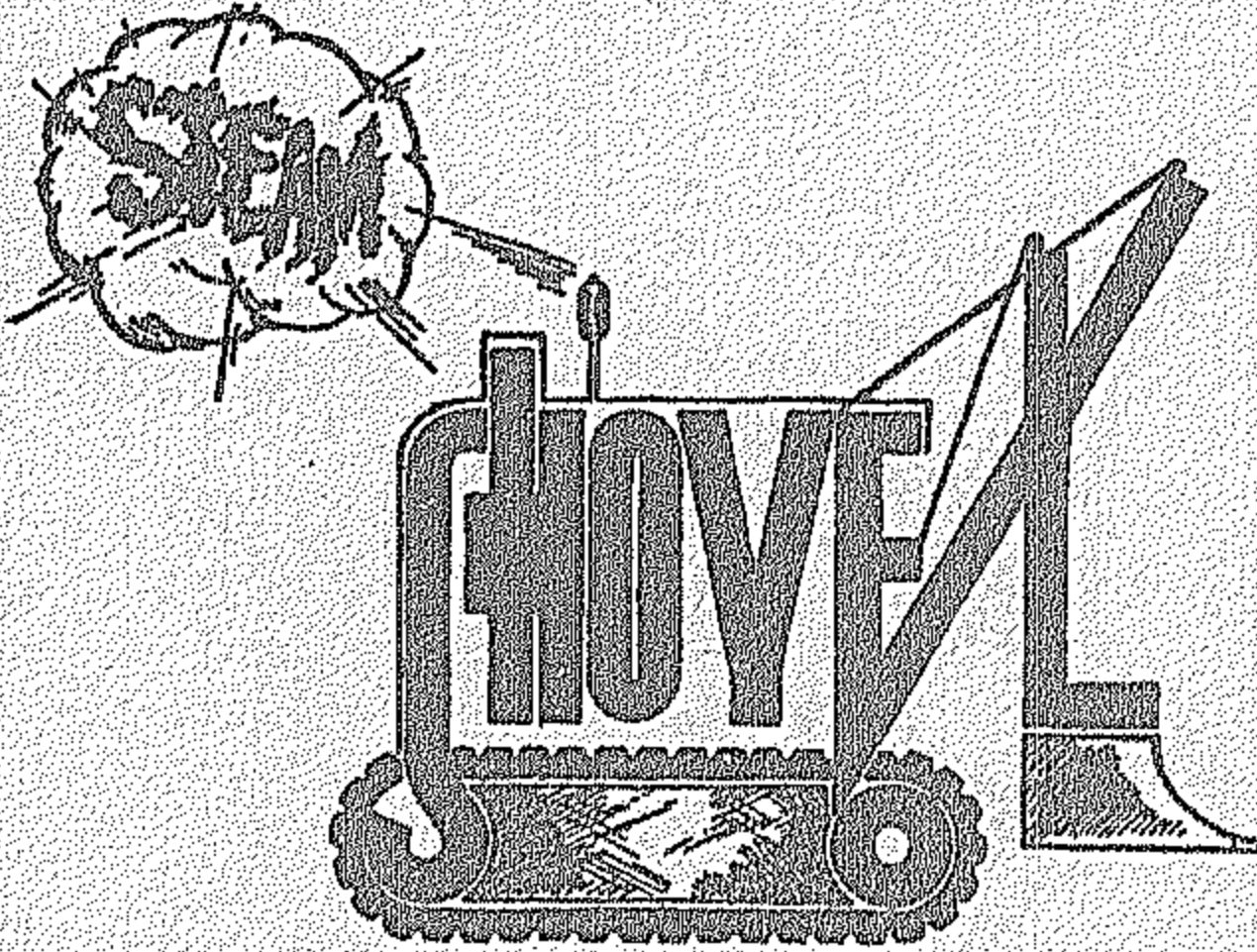
Stan Tolbert, 4-A co-op, has been receiving letters from young ladies begging him for dates. The male shortage may be worse than is commonly realized OR, what is much more plausible, Stan stays up half the night writing these juicy tid-bits himself.

Another honorary fraternity has appeared on the campus of IIT—WHISTLE-ETA-DAME. Chairmen Strodtman and Bernabee (of liquid diet fame) are pledging new men as fast as they can fulfill the obvious entrance requirements. Little Joe Robin, charter member of W-E-D and a 5-A co-op, has been promised a kiss by the loveliest switchboard operator at Armour. With only one week to go, Joe is softening his lips with cold cream every night.

We're disappointed in Bernie Marland. After demonstrating his fleet footedness on the badminton court the other night, he tripped over his foot and fell down the elevated steps.

The long arm of the law has finally caught up with Phil Rinck, the Blue Island menace, to the tune of 5 and 1. He had just left three women at the Chicago Public Library, and was madly racing home in little snatch wagon with the red wheels to meet one or two more quail, when the "pull over to the curb, bud" order gave him a chance to meet another one of Chicago's fine judges.

Realizing the need of big strong beautiful bodies to impress the gals on the beaches, the 4-A co-ops started a Beast club. The following are the strict eligibility requirements for this elite organization: Beastie, twenty pushups and eight chins; beast, twen-



ARMOUR SNOOP OF THE WEEK

When Backas, Ballou, Dunsheath, Logue, Thoren, and Neidel come tripping onto the stage at the "Drunkard," the audience will see as shapely a group of chorines as ever faked a bust line.

ty-five pushups and ten chins; and super beast, twenty-five pushups and fifteen chins.

President Bill Mahoney says, "Final exams will be held next week. At that time the impressive lapel badges will be passed out to all qualifying men. Preliminary reports on chinning prowess list Bob Mielke—10, Bill Fiddelke—10, Carl Sundeen—11, Bill Mahaney—12, and Tom Dressler—11. Other men practicing their push-ups are Carl Sundeen—35, Tom Costello—30, Frank Carqueville—28, Byron Round—20, and Charles Kill—20.

Coach Weissman was agreeably surprised at Clarence Swanson's appearance after the recent Engineers Escapades. Swanie suffered a short right leg, weakening of the knee caps and slight dizziness. Both he and Bis Smith, another of the "Black Coffee Blackouts," caroled "I Don't Want to Walk Without You" as they each strolled home. It was a case of the blind leading the blind.

"A new love a day will keep marriage away," that's the motto of Harry Lee Schrader, dancer extraordinary and instructor at Melody Mill Ballroom. Yesterday's love was Jeanne; the love for today is Mary Lou.

Shirley Sexton would like to deny a few of the rumors connecting her to the Sandra Sexton of Rialto fame. Shirley does admire and enjoy watching Sandra's artistic act, but must emphasize the fact that Sandra is not her sister, her aunt, or her bosom buddie.

"If you ever need me, just call VICTory 8940," Lee Orsi, manager of the tennis team, told Coach Mike Schultz. Well, a few weeks ago Mike called VICTory 8940. A nice voice answered, "Sorry, there is no such person here." Possibly the operator gave Schultz the wrong number so he called again. The same cute voice answered again with the same story. Then Schultz remembered his undergraduate training and started discussing mutual acquaintances, etc. Schultz had a Saturday night date with her two weeks ago. VICTory 8940 . . . VICTory 8940.

The young Steinmetzes, Carqueville, Apitz, and Costello, did it again, a 15 hp. motor and prony brake this time. The stud on the prony brake flew apart and cut through the insulation on the armature. Flames and smoke puffed up into the air, cutting through the steam from the cooling water on the other prony brake tests. About this time co-ops look like the devil, so the whole place resembled Dante's Inferno.

The "Windo" Washers.

Behind THE SCENES

By BILL BURKHART

Director of Engineering, Science and Management War Training Program Evening Courses . . . so reads the title of this week's man behind the scenes, Dean Fred A. Rogers. As director of the evening courses, Dean Rogers has as his responsibility the management of one of the largest war training schools in the country.

All problems of class schedules and other operating details are settled in his office at 106, Research. He supervises the hiring of all instructors and the daily correspondence of the war training courses flows over his desk. He receives student applications and conducts the personal interviews required of each prospective trainee.

In spite of these activities, Dean Rogers maintains an active interest in the individual classes. He makes a conscientious effort to visit the classes and thus keep in closer touch with their problems.

The dean originally hailed from Michigan and was raised near Grand Rapids. He graduated from the University of Michigan, receiving a degree in electrical engineering. Upon leaving the university, Dean Rogers traveled to South Dakota, where he was employed in the construction and operation of a power plant.

When the power plant was operating in a boringly smooth manner, Dean Rogers received an offer to join the staff of Lewis Institute. Up to this time he had never heard of the Institute but it had heard of him from a friend who had seen his past work and highly recommended him. Packing his bags, Dean Rogers headed for Lewis and remained there until the merger with Armour.

While serving at Lewis, the dean specialized in the field of electrical illumination and, in addition, acted as a consultant for many large Chicago industries. He tested electrical equipment, including trolley wire for the Chicago Surface Lines, and gave technical testimony in many legal cases.

Along with Dean Clark, Dean Rogers, then Dean of Engineering, became co-director of Lewis upon the resignation of D. C. Jackson. He held this post until the merger and in January, 1941, was made head of the newly organized war training program. Since that time, the program has expanded until today it includes seven divisions added to the original evening school classes.

With the war training courses requiring so much personal attention, not much time remains for recreation, but Dean Rogers's interests are wide and varied. Chief among these is a fondness of automobile tours, which of necessity cannot be satisfied for the duration. Professional affiliations include membership in the American Institute of Electrical Engineers, the Illuminating Engineers Society, and the Western Society of Engineers. He is a fellow of the American Association for the Advancement of Science, and is a member of the Physics Club of Chicago, and the Chicago Engineers Club.

Co-op "Final" Dance To Be Held May 22

The Co-op "final" Dance, sponsored by the co-ops, will be held Saturday evening, May 22, at the Furniture Club in the Furniture Mart. Music will be furnished by Carl Schreiber and his orchestra. The price of tickets is \$1.10 per couple.