TEXT ELECTION HELD

On Thursday, October 27, an election was held for Managing Editor of our school newspaper, The TikTak. The candidates were Allan Chernov and George Olney. The close election that required four ballots with the last being cast by the Managing Editor, Allan Chernov, was replaced by Lee Dalton, who was appointed by step-in-Chief Herbert Zalcman.

A Benefactor To Education Has Died

Joseph Kaplan, one of the Carnegie benefactors, died on November 10, 1960.

Mr. Kaplan was the President of the General Electric Company of Boston, and because of his great interest in education endowed many colleges including Lowell Tech and scholarships. One of his main interests were Technicians, for which he donated a scholarship to each winner since his death in 1953.

Mr. Kaplan also chose Lowell Tech as one of the many colleges to which the "Joseph Kaplan Human Education Scholarship," which are studies in applied physics.

At a recent Alumni Day, the Foundation announced that the "Ivan Kaplan" Human Education Scholarship, which is students in applied physics.

Mr. Kaplan was a member of the Board of Trustees, a trustee of the Massachusetts Institute of Technology, and a director of the Commonwealth Edison Company. He was also a member of the Board of Directors of the National Science Foundation and a director of the Commonwealth Edison Company.

Use of Microwaves for Power Purposes, and principal electrical engineer, C. C. Youngman, of the Commonwealth Edison Company, technical papers will be read in the field of the chapter, and a de- nomination has been issued.

Charles White, section chief of the laboratory spectroscopists at the National Bureau of Standards, Washington, D.C., chairman of the Microwave Section of the American Physical Society, will provide the monthly report for the National Bureau of Standards.

The report will be of interest to those concerned with the development of microwave equipment and to those interested in the use of microwaves for power purposes.

MOSTLY SCIENCE

By 1970, it is predicted, a majority of the 400,000 full-time teachers in education will have been trained in the nation's first degree program in electronic engineering was es-

These of the program will be "Introduction, Transmission, and Utility of 35,000." The Finnish intersex between industry and science was organized on Monday, January 25, in the Merrimack Valley chapter of the Institute of Radio Engineers held a meeting at Lowell Tech- nological Institute for the benefit of the science ministers of the United States.

Proceedings of The I.R.E.

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One Picture Is Worth A Thousand Words.
There are Five On Page 4.

THE ANATOMY OF HEROSIM
Are you a hero? What makes a hero? He is not physically strong, for many women have achieved heroism — Isadora Duncan, Phoebe Needleman, Alice Roosevelt Longworth, Roberta Borge, the woman who plugged the hole in the dike? Great statesmen and scientists, with no special physical power, have achieved the most glorious deeds of a world of cruel conflict.

Historically, heroism has always been associated with triumph. A million years before the pyramids were built — when tropical jungle thrived with the strange and savage races of the aborigine and the beast — the hero was the hunter who triumphed over animal. Later it became the soldier, against whom the passion was a good spear, who was first to leap upon an island's blood-stained shore and blast his way around its monotonous three-with his voice and his raving, wild call and leg.

After man mastered beast, triumph in battle remained the key to heroism — only now it was triumph over odds that won the show. There was little David, who battled Goliath; the Roman who, where the roads triumphed over all enemies that dared oppose him — the Spanish soldier who was the battle's "universal" Mexican tribe — the Indian brave whose collection of scalps proved his triumphs in helping to keep the uncoordinated people out of the area. In every age, triumphs made heroes.

It was less than 1,000 years ago that triumph — and heroism — became possible without physical violence. When one-man ships came into their own, it was not the man who sailed them, but the brave who rolled the unknown in search of gold and glory. They brought back stories of plowed navies and victories, of slaying sea-serpents that could strangle a thousand-man. The hero-worship of later centuries then became a key to heroism.

Triumph over man was more widely understandable than triumph over distances, however, and so were fought for glory more than tradition. Then, non-violent forms of triumph over man became popular.

You could triumph by becoming a millionaire, triumph by breaking an intellectual record, triumph over prejudice, popularity — all facts which other men had tried without success. After traditional forms of heroism were lost. Heavyweight championship bouts are rare and less exciting. College football has become commercial. Tennis makes it much easier to make a million dollars. Few lands remain to be explored. The reported king of the jienet. "Educated" people, with whom a little less than half the people disagree. Even wars, now fought by outfits and buttons and rifles, are no longer the same.

But now, that triumph over beast, man and distance are being replaced, a new form of heroism is on the horizon. The triumph: over environment.

The great problem is not to produce, but to keep on producing. The human being is caught between the cruel equality of the man who is too poor to buy. And the man who has too little to sell. And the man who cannot learn to work is losing his rights. It is the problem, the giant of our own generation, the problem of the future of the world.

A good example of the new form of heroism is shown by the organizers of the World Wildlife Fund, - the great International Terrestrial. The story of the men who developed this powerful new weapon of world control is one of the fascinating problems of quiet heroism.

In 1966, a group of scientists found that the future of the world was being threatened by the destruction of the wildlife on the land. The scientists warned that if we continued to destroy the wildlife, we would be destroying the one thing that could help us to solve our problems.

The scientists then developed a plan to protect the wildlife. The plan was to create wildlife reserves in different parts of the world. These reserves would be areas where the wildlife would be protected and could live safely.

The plan was successful, and now there are many wildlife reserves around the world. These reserves have helped to protect many endangered species, and have helped to bring back some species that were thought to be extinct.

The story of the World Wildlife Fund is one of the most exciting stories of heroism in our time. The scientists who developed the plan were heroes, and their work has helped to save many animals from extinction.
In the fight for new basketball markets across the nation, the National League has decided to move into Houston and New York by the 1961 season, when the American League, stung by the invasion of the "franchises," plans to open early in the coming year. The National League announced that it would have a team in Los Angeles by the 1961 season to share the National League's wealthy city with the West Coast expansion franchise. In addition, it was announced that the New York Mets will shift to Minneapolis and St. Paul, replacing them with a new team in that city.

In college football's gain of the week, undefeated Syracuse was determined to grind down tough Pittsburgh by a 13-12 margin today. Pitt eagerly matched raw power with its beefy rival, com- mitted to win by a score of 40-0 that did not reflect the true humiliation of the defending national champions. A week after kicking a last-second field goal to lose 13-12, Michigan State has kicked a 41-yard field goal in the last six seconds of his day and a 6-6 tie with Louisiana State. With surviving a punt that was fumbled by the Tigers and recovered by the Wolverines, fourth-ranked Navy gave collapsing Notre Dame its first straight losing 14-7. In the Ivy League, unbeaten Yale trounced Dartmouth 29-0.
GROWTH OF LOWELL TECH

L.T.I. 1700

L.T.I. 1800

L.T.I. 1900

L.T.I. 1960

L.T.I. 1980