

## Features

# Science Fair Project becomes valuable hobby

By LISA BOONSTOPPEL-POT  
The Herald

In completing a Science Fair project, Mark Boere of Georgetown not only earned top honors for his work, but learned a process that could become a valuable hobby.

When Mark, a student at Bishop-Reding Secondary School in Milton, embarked on the science project, he decided to pursue an interest he had in the making of holograms. Despite the time, expense and research he would have to do, he plugged ahead and has come out a double winner.

Not only did he receive the second place trophy for his project at the Halton Roman Catholic School Board Science Fair, a silver award at the Hamilton-Wentworth District Science and Engineering Fair and a cash award from the Spectroscopy Society of Canada, he learned a valuable skill that could make him some extra cash if his dreams of setting up a part-time holography business come true.

It all began when Mark saw a rainbow hologram on the cover of National Geographic. Thinking it a beautiful way to capture objects in true form, he began researching holography and learned it is a form of lensless photography using a split coherent wave source, such as a laser, to record an interference pattern on film which can be recorded as a three-dimensional image.

It's a confusing explanation but Mark is a science bug and found the technology surrounding the creating of holograms fascinating.

But actually making the holograms wasn't as easy for Mark as learning the concepts behind it, he admitted.

Fortunately, his high school



Mark Boere, a student at Bishop-Reding Secondary School in Milton, holds the best hologram he made up to the sun outside his Georgetown home. Mark did his science project on holograms and won second place at both the Halton Roman Catholic School Board Science Fair and the Hamilton-Wentworth District Science and Engineering Fair. (Herald photo)

has a laser and the mirrors needed to create and interfere the light waves but setting the mirrors to the correct reflection, finding a base that would keep an object so still, it wouldn't move within a billionth of an inch and processing the hologram plates, were difficult tasks.

"It took me a month of trial and error before I made a successful hologram," said Mark. "I found my base and mirrors weren't

stable at first. I was also using the wrong processing chemicals."

When he got the logistics straight, he created holograms of model airplanes and dragon figures which he says rival the holograms National Geographic used.

Obviously, the judges at the science competitions thought his creations were award-winning material as well.

Now that the science project is completed, Mark hopes to use his skills to start a part-time business making custom-ordered holograms.

He wants to build his own darkroom in his parent's home, buy the necessary equipment (he estimates it will cost \$700) and get set up in the near future.

## The Sands of Time

From The Files Of  
The Halton Hills Herald



### 30 Years Ago

The Georgetown High School track and field team put on a brilliant performance to sweep the annual meet between Milton, Acton, Erin, and Georgetown High School with a 191 point total - a total higher than the next two schools, Acton and Milton combined. More than winning the coveted championship, Georgetown topped 21 track and field records.

they were riding in Lake Ontario capsized about 300 yards off shore. Both youths were wearing life jackets and were rescued by an Oakville man who witnessed their plight.

David and Marilyn Hastings were named to succeed Ted and Marg Hewitt as presidents of the Georgetown Fireflies Camping Club.

### 10 Years Ago

Acton High School students such as Roy Spear and Sandy Smith were busy raising funds for the Kinsmen Cystic Fibrosis campaign during the annual Bump-For-Life event.

Despite concerns raised by Councillor Pam Sheldon that the town should be looking into the social problems caused by roaming dogs and wolves killing livestock, council agreed to bolster the 1981 livestock damage claims budget by another \$1,000.

### 5 Years Ago

Speyside resident, Jim Sheldon was one of several parents collecting money to pay for a court battle. The parents of children attending Speyside Public School hired a Toronto lawyer and were taking steps to get an interim injunction to stop the closure of the rural school.

Halton police and firefighters searched for a downed airplane in Limehouse for two and a half hours after receiving a distress call from a pilot but never found a thing. Aviation experts believe the message may have come from a pilot in training and wasn't meant as an emergency message.

Grade 11 student Jeff Amato was elected president of the Marketing Education Clubs of Canada Association. Among his new responsibilities were the organization of Canadian marketing conferences and competitions, planning budgets and promoting the club throughout Ontario.

The "Avrocar" or flying saucer as it is commonly known was verbally unveiled by John Forst of Georgetown, it's designer, when he was chosen to speak to members of the Canadian Aeronautical Association. The vehicle was designed to travel more than 250 miles per hour but had only topped 35 miles per hour in test runs.

### 20 Years Ago

Lieutenant Colonel Earl Lince of Georgetown completed his three years as commanding officer of the Lorne Scots Regiment and relinquished his command to Lieutenant Colonel Don Egan.

Chairman of the board of Georgetown and District Memorial Hospital and a man prominent in the Canadian Legion, lodges and political organizations, Leslie Mark Clark died suddenly in Georgetown hospital.

Halton Hills farmers were asked to open their homes to 200 children living in Halton's southern urban areas as part of an exchange program sponsored by the Ontario government Interdepartmental Committee on Youth and run by the provincial department of Agriculture and Food.

Two Hornby teenagers, Herb Roerig and Larry Graves, escaped with a severe chilling after the small aluminum boat



### GDHS student production

Lora (Andrea Bouskill) confesses her undying love to Tony (Andrew Zubacs) while Winnifred (Sarah Mills) listens in disgust to what she considers a sappy scene during dress rehearsals for

Impromptu, a student production to be presented at Georgetown District High School June 5. (Herald photo by Lisa Boonstoppel-Pot)

## FLYERS

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