

THE NEWS LETTER

of the Northern Highlands Regional
High School District Board of Education

VOL. 6, NO. 3

ALLENDALE, NEW JERSEY

MARCH 1974

NEW DIRECTIONS SEEN FOR BOARD



Dr. Donaldson

Dr. William G. Donaldson, a resident of Allendale for fifteen years, was recently elected to the position of president of the Northern Highlands Regional Board of Education. He comes to this position with many years of board experience, having been one of the original members appointed by Dr. Archie Hay in 1962.

The Donaldsons have four children: a son who graduated before the high school was built, two daughters who graduated from Northern Highlands, and a daughter who is presently a sophomore in the school. Dr. Donaldson is employed by the Federal Electric Company in Paramus.

The board, as Dr. Donaldson sees it, will be moving in the direction of more community involvement through three relatively new procedures:

1. The opening of committee meetings and work sessions of the board to the public;
2. The formation of citizens' committees to assist the board;
3. The implementation of educational innovations to insure excellence in the educational program.

He feels that the board and interested members of the communities should work along with teachers and students in the assessment of the total school program. "One possible means of evaluation we might consider," Dr. Donaldson says, "would be a program whereby we receive more feedback from our alumni."

Mr. Leonard, Mr. Barr, and Mr. Sullivan, who were recently elected to the board will each be called upon immediately to be a chairman of one of the board's regular five committees (education, finance, board/staff relations, buildings and grounds, and community relations). By doing this, Dr. Donaldson hopes that the committees will be able to infuse new thinking to allow for more community participation and educational implementations.

TELEVISION STUDIO BROADCASTS REGULAR NEWS PROGRAM

"The late bell has sounded. Will teachers please turn on their television sets, tune to Channel 3 and conduct the flag salute . . ."

Every Monday, Wednesday, and Friday morning NHR TV broadcasts the news from a specially equipped room in the new part of the building. At 7:45 AM the television studio is buzzing with activity. About fifteen students are involved with different aspects of the production: preparing material, adjusting and operating the equipment, and reading the news. The programming has expanded since the beginning of the year to include world, national, and local news in addition to school announcements.

Mr. Marshall Katzman, a media specialist, supervises the operation of the television studio. Since many of the students involved in the production of "The Morning Show" come to school by bus, most of the work must be done after school on the days preceding broadcasts.

As the homeroom period is about to end, the NHR TV announcer concludes with; "110 cars are lined up for gas at Elmer's." The members of the television crew gather their books and head for 1st period classes.



"One step, two step . . ." Students rehearse for "Pops" Concert

DID YOU KNOW?

- Doughnuts, coffee, cocoa, milk, juice, and hot oatmeal are sold to students in the cafeteria every morning before school.
- Three Northern Highlands students received perfect scores on the SAT in mathematics. Another student scored 800, a perfect score, in biology while other high scores were recorded by students in English, German, and chemistry.
- Parents of juniors will be meeting with guidance counselors during the months of March and April to discuss course selections for next year and plans for the future. In the past, 90 per cent of the parents have responded to the invitation sent from the guidance department.
- The Education Committee of the Student Council, under the direction of Ann Marlowe and Linda Boden, has been working with teachers and students on possible curriculum changes in science and English.
- The school speech therapist, Mrs. Carol Murphy, works on an individual basis with those students who have speech disabilities.
- The sophomore class will be serving a pancake breakfast on Sunday, March 10, in the school cafeteria.
- The "Ambassadors for Friendship" program, which had arranged for the Highlands' Choir trip to Romania, recently arranged to have four students from Argentina visit Northern Highlands. The students will spend two weeks, February 24 through March 9, living in the homes of Highlands students and attending classes and activities with them.

The Argentinian students and their hosts are: Gustavo Sidelnick, guest of Mary Donaldson. Gloria DelValle Guanuco, guest of Jenny Yeaple. Graciela Ortiz, guest of Jill Stein. Turconi Lopez, guest of Brenda Shockley.

POPS CONCERT WILL FEATURE MAME AND SELECTIONS FROM NO, NO, NANETTE

Every day after school and on Saturday mornings since Christmas vacation, groups of students have been meeting to put together the annual Concert Choir musical production. This year, on March 15 and 16, the Concert Choir will present the musical "Mame" and the Girls' Glee Club will perform selections from "No, No, Nanette."

Mr. Buddy S. Ajalat is directing the musical productions. Mr. Thomas Whitlock, an industrial arts teacher, supervises a group of students in the construction of the set which is designed by students under the guidance of Miss Jane Garnes, a fine arts teacher. Toni Brechter, Carol Ferarri, and Lauren Trowsell planned the choreography for the show and are responsible for teaching dance steps to the cast. To help coordinate various groups, Elizabeth Rasmussen and Debbie Johnson were chosen to be the stage managers.

The major parts in the musical will be played by the following students:

Mame Dennis - Margaret Spada
(understudy: Margaret Juntwait)

Young Patrick Dennis - Justine Abramson

Old Patrick - Jonathan Gillies

Vera Charles - Jill Jamieson

Agnes Gooch - Karen Harmount
and Pam Statile

All other Concert Choir members are involved in the smaller parts and in the chorus scenes.

The hard work, dedication, and long hours spent in preparation for this show guarantee an enjoyable evening of entertainment. Tickets are \$1.50 and may be obtained from any member of the Concert Choir or Glee Club.

STUDENTS SHOW GROWING INTEREST IN COMPUTER TECHNOLOGY

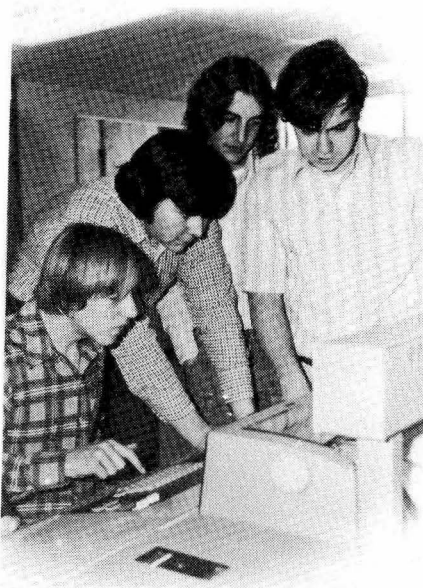
Tucked between the main and district offices of Northern Highlands is a small room containing the school's computer. In addition to the administrative functions of scheduling, report cards, and mailing labels, the computer is used by students interested in learning computer technology. Mr. Donald Viglione, director of the computer center, says that the computer "runs hot all day;" there is seldom a time when the machines are not being used.

Mr. Viglione and Mr. Toohey, a mathematics teacher, have a total of four classes this year in computer programming. Two other mathematics teachers are learning the Fortran system so more courses may be offered next year. Mr. Viglione is also working with the business education teachers in order to be able to teach R.P.G. programming, the system used for accounting functions. A third course, Advanced Fortran, is also being planned for next year.

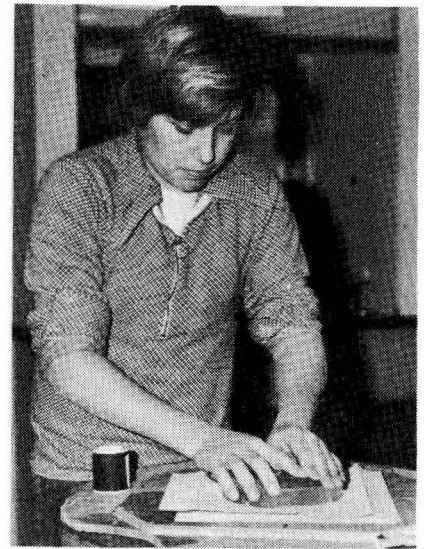
After students master the fundamental mathematics of the programming, they are encouraged to design their own programs. Some of the programs take the form of games that students can play with the computer. It is not unusual to hear students "betting" hundreds of dollars in a computer game of roulette or blackjack; Mr. Viglione is quick to assert that no money actually changes hands, that it is only a computer game. Two other games involve principles of physics. One student is writing a program for the game of chess, while others have programmed the computer to "draw" pictures, some of which may be seen on the walls in the computer center.

Often a student's interest in computer technology extends beyond the limits of the course. Many students use their study halls or spend time after school working down in the computer room under Mr. Viglione's guidance. The preparation in computer technology received at Northern Highlands gives many a head start when they reach college. William Widner, a freshman at Texas Christian University, found that his preparation at Highlands was so advanced that he was asked to teach the beginning course to other freshmen. Charles Becker, who returns often to work with Mr. Viglione, has been exempted from many of the introductory course requirements at Fairleigh Dickinson University.

The computer center at Northern Highlands, under the direction of Mr. Viglione, provides both essential services to the administration as well as an exciting and useful learning experience for students.



SCIENCE PROJECT: MAKING A TELESCOPE



David Wright Polishes The Lens

David Wright, a freshman, sprinkles some gray powder on a round Corning glass slab, adds a few drops of water and places a clear glass piece on top. As he patiently slides the top piece over the Corning glass, he explains what he is doing.

"As I became interested in astronomy I found that a good reflector-type telescope cost about three or four hundred dollars, so I decided to make my own. The bottom piece of glass will be my reflector. It is six inches in diameter and made of Corning glass."

David goes on to explain that the gray powder is an abrasive grit. Before he is finished he will have used nine different grades of abrasives in the grinding and polishing process.

"Actually, only the first grit was used for grinding. When I had finished with the first, the Corning glass had the proper concavity. The grits I'm using now polish the glass and give it a smooth, unpitted surface."

(continued on next page)

Telescope

(continued from page 4)

He explains the various ways he tested the glass to insure the proper concavity. After he is finished with the polishing process he will send the Corning glass to be aluminized. He will then mount this in a fiberglass tube ("I could use a metal pipe, but it wouldn't be as good"), fit in another flat-surfaced mirror and an eyepiece, and put the finished telescope on a tripod.

"The whole thing might end up costing about one hundred dollars and it will have the same quality as the more expensive ones you can buy."

Since David has started his project, under the supervision of Mr. Robert Haskell, two other freshmen have ordered the glass and abrasives kits. Certainly a good reflection.

MASTER CALENDAR

MARCH

- 6-8 Guidance and Business Education orientation program
- 10 Sophomore Class pancake breakfast; Cafeteria; 8 - 12 a.m.
- 12 M.A.A. Math Contest, auxiliary cafeteria
Home and School Seminar, 1 p.m.
- 15-16 "Pops" Concert; auditorium, 8 p.m.
- 17 North Jersey Cultural Society Meeting
- 20-22 Bergen County Teen Arts Festival
- 29 Senior Class Spaghetti Dinner
- 30 Children's Theater; Auditorium, 2 - 4 p.m.

APRIL

- 6 N. J. All-State Choral auditions; Auditorium 8 a.m.-5 p.m.
- 24 Band Concert
- 27 Home and School Theater Party

NEWSLETTER

NORTHERN HIGHLANDS
REGIONAL HIGH SCHOOL
UPPER SADDLE RIVER
ALLENDALE, NEW JERSEY

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Allendale, N. J.
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