'Air-Conditioned' Arithmetic Is More Popular, Teacher Writes in Magazine

"Today's arithmetic must be air-conditioned . . . the flight of the airplane is a logical means to make mathematics a popular and practical subject," writes Miss Margaret M. Cook, head of the mathematics department at Baldwin High in the current issue of "School Executive," one of the leading educational magazines.

Miss Cook has been an instructor at Baldwin the past five years and will receive her master's degree at Teachers' College, Columbia University, this summer. She is a member of Kappa Delta Pi and Kappa Rho Sigma.

Her article follows:

Today's arithmetic must be "air-conditioned." War aviation and peacetime aviation as well will affect all phases of curriculum. But above all, the flight of the airplane is a logical means to make mathematics a popular and practical subject.

Don't Wait for Textbooks

It is not necessary to wait until textbooks are available to furnish materials. A textbook is not a substitute for a good teacher. Original and real problems are easily devised by reading current literature on aviation. The daily paper may just as well be surveyed for aviation facts as for the market reports, stock quotations, or graphs which almost every teacher requires of pupils when these topics are studied.

Here are three illustrations of the kinds of problems which can be "made up" from current aviation literature.

Compare Cost

A pamphlet published by American Airlines tells that this company uses Wright Cyclone engines which cost $8,000 each, and an engine for a Ford V-8 which is $75. Here is an opportunity for comparison problems using ratio or percentage as well as a striking aviation fact. The same pamphlet states that captains for American Airlines have average flying experience of 8,318 hours, over 593 per cent above government requirements. From this pupils could be asked to compute government requirements.

The book **Weather** by Gayle Pickwell gives the Beaufort Scale which indicates wind velocity by feathers on an arrow indicator. For example, one feather indicates a wind of 1 to 3 m.p.h.; two feathers, 4 to 7 m.p.h.; 3 feathers, 8 to 12 m.p.h.; etc. Here is an excellent opportunity for the making of a picture or bar graph.

For Algebra Students

An algebra class will enjoy substituting in formulas dealing with the lift, propeller tip speed, or drag of an airplane. The information necessary for these formulas will be found in the specifications of planes published in aircraft magazines which we observe young boys and girls reading in their leisure.

Materials like these lend to live discussions and stimulate the learning of the new air vocabulary. More than mathematics and arithmetic will be learned. Patriotic teachers everywhere should give this added motivation to the learning of mathematics and present an enriched course to the already eager American youth.

Two One-Act Plays Given by Students

Two one-act plays were presented for assembly today at Baldwin High School by the school's first play production class, under the direction of Miss Ruth Hull.

The suspense-filled "Two Crooks and a Lady," by Eugene Pillot, was ably done by Nadyne Hecker, Bill Wyckoff, Martina McKinney, and Nanette Jensen with Jim Schermerhorn acting as student director.

Contrasted with this was a comedy by A. A. Milne, "The Man in the Bowler Hat," in which appeared Elizabeth Giles, Bob Kohr, Larry Johnson, Howard Breitmeyer, Homer Corst, Billie MacDonald, and Daniel Rhodes. It was directed by Helen Allison.

These, together with "The Knowbird" and "Don't Tell a Soul," complete a cycle of four plays whose aim was to give every member of last semester's play production class a chance to appear publicly.

Human And Sub-Human

Film players are people. Some of them observe the amenities of civilization and some insist on smuggling twenty-four hours a day.—Frank Admission by Variety.

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THE BLACK SWAN
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PLUS
ROBERT STACK, BROD CRAWFORD
"MEN OF TEXAS"
he Spirit of Sam Houston—Texas' Greatest Heritage!

Cagers Meet Redford In Return Contest

Although holding a previous victory over St. Mary's of Redford, the Birmingham graduation-riddled squad will have a tough evening in store for it when the Maples face the parochials Friday evening in a return engagement here.

Although they won by the comfortable margin of 38-24 in the game played with the Redford team two weeks ago, the Maples will be handicapped by the loss of Jack Steelman, Bob Moody and Louis Hagopian, who have been graduated. However, in the last two games, the team has looked vastly improved and it should do well.

The St. Mary's team is a very elusive and trickey one with plenty of fight. The star of the aggregation is stocky Bill Prendergast who tallied seven points against the Maroons in the last engagement between these schools. Although they have dropped more games than they have won, the parochials play some of the Catholic League's strongest teams such as Holy Redeemer, St. Theresa and Lourdes.

The Birmingham starting lineup will not be known until game time but some of the players sure of action are Stan Peterson, Dick Hopkins, Bob Murray, Frank Wanbeneit, Fred Zoellin, and Newell Wright.

Sports Showup

BY RAY DENNIS

A fast and exciting game is in store for local basketball fans tomorrow evening when Birmingham and Redford St. Mary's clash in a return engagement in the Baldwin gymnasium. True, the Maples defeated the parochials two weeks ago by the comfortable margin of 38-24 but since then three varsity players, Jack Steelman, Bob Moody and Louis Hagopian have graduated, while all of the members of the St. Mary's team are still intact.

* * *

We are not saying that the Maples are weaker for the squad is an up and coming combination but they are bound to miss the smart ball-handling ability of Steelman, the fancy shots of Moody, the coolness of Hagopian. Tomorow evening's game should reveal the true ability of the team. We feel the boys will give a fine impression for they really started to click in the last game. A "packed house" will spur the Maples on to victory. We'll see you there.

* * *

Saturday evening three former Birmingham athletes departed for the service of the country. These boys, Paul Kelley, Derek Bolton and Bob Moody should show the same fighting spirit in the battle lines as they did in the athletic contestants for all three of these boys had that extra fighting spirit. Good luck, fellows!

* * *

The good news of the week is the announcement that the lights at Pierce Field have been completely paid for by gate receipts. The Board of Education announced that its next athletic project is new grandstands. But this will probably have to wait for the duration. Birmingham is indeed fortunate that it has a controlling school body interested in the promotion of athletics.

* * *

Many people have asked why Birmingham can't have a new basketball floor. The condition of this floor is indeed appalling but nothing at present can be done about the situation. Some of the floor boards stick out and every day a nail comes out of this floor. To remedy the condition the whole gym would have to be torn out and completely changed. This is an idea for a school project after the war is over. The students did it before when they were called on to raise money for the track and they can do it again.

Junior High School Elects Its Officers

Janet Roosevelt Marty Fox

Bill Bones George Miller

Birmingham's new junior high school held its first election of officers Tuesday of last week. The regular voting booths were used and the entire campaign and election was promoted and carried out according to state and national plans as nearly as possible. Bill Bones, George Miller, and Bill Orchard were the candidates for president. Dan Grigg and Barbara Black for vice-president, Bill Bones and Marty Fox for treasurer, and Joy Stark and Janet Roosevelt for secretary. Bill Bones will preside over the student council for next semester as president, George Miller as vice-president, Marty Fox as treasurer, and Janet Roosevelt as secretary.

The first staff of officers were elected by the respective home room representatives. Each of the 10 home rooms elected two representatives to make up the first group meeting when school convened last September. From this group acting officers were appointed in order to get under way. Mary Jean Forsythe was elected president, Lewis Keenan, vice-president, Jan Coil, treasurer, and Linda Gnau, secretary.

The group drew up and presented a constitution to be voted on by the entire student body. It was passed by a two-thirds vote and become effective immediately.

The new officers were formally presented to the 9A assembly Thursday and will be in active charge of all student council activities next semester. Principal Miles W. Robinson and Miss Gladys Rogers are the advisers for the group.

Consumer News

Let's All Help!

NEED VOLUNTEERS

"Preliminary education of the public for the new 'point' system of rationing will require hundreds of volunteer workers," says Mrs. George W. Patch, of Bloomfield Hills, who is in charge of the joint program of consumer education of the Oakland County War Price and Rationing Board and the Oakland County Council of Defense.

"Persons who are willing to help with this educational program should register immediately with their local Defense Council, phone 4014, in order to learn about this new system of rationing and be able to pass along what they have learned before 'point' rationing starts with the issuing of War Ration Book 2.

"Persons should register who are willing to work in any capacity," says Mrs. Patch, "to take care of information desks with rationing offices, to talk informally before groups of people, or merely to call on their own neighbors and explain how the new rationing system operates. The information with which to work will be furnished in simple form, and the work itself will be easy for anyone who is interested.

"The new rationing system goes beyond the present unit system for sugar, coffee, gasoline and fuel oil. In War Ration Book 2 the coupons will be of different denominations and when a housewife goes to market she will have to pay her bill both in dollars and in coupon 'points', just as though she were using an additional kind of money.

"There is no question but that careful planning and budgeting of these new 'point' coupons will be necessary. It is felt, however, that much confusion in inaugurating the new system will be avoided if the preliminary education is thoroughly done."

Not Yet

Sailor—I love dancing. It is absolutely in my blood.

Partner—Then you must have had circulation—it hasn't gone to your feet yet!

She Does

"My wife talks to herself."

"So does mine, but she doesn't realize it. She thinks I'm listening."

Another Chance

Husband: "I've got to discharge that chauffeur of mine, he's nearly killed me four times."

Wife: "Oh, give him another chance."

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• Indigestion
• Insomnia
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Eight Years in Birmingham

110 Boys in Pre-Induction Classes; Senior Girls Take Home Economics

With all emphasis on the practical and useful, Baldwin students found their schedules enlarged this semester with five new pre-induction courses and a course in household science for girls.

About 110 boys are now enrolled in pre-induction mechanics, electricity, radio, aeronautics, and auto mechanics. Facing the draft after graduation, they will all have a good background for promotion in Army life.

Twenty boys have been drawn to the regular auto mechanics trade course which meets for practice as well as theory every afternoon for three hours. A number of students too, have taken advantage of a course called "refresher mathematics" which will proceed on a basis subject to individual needs.

In addition, instruction in general shop was begun this fall.

A total of 42 senior girls are attending the required household science classes. There they study nutrition, child care, interior decorating and the care and selection of clothing.

Quits Teaching To Join SPARS

"The real meaning of this war was brought home to me by a letter from London, England." So began the reasons given by 22-year-old Dorothy Whitley for joining the SPAR, women's reserve of the U. S. Coast Guard. She continued, "My aunt's family was bombed out of its house during a blitz; my cousin Sybil in Britain joined the Home Guard and is still hard at work."

"That's the way to fight a war . . . and I'm going to do my share!"

Miss Whitley was teaching English at Addison, Mich. As Michigan's first SPAR, she is to leave for a six-week training course at Smith College, Northampton, Mass. There Coast Guard and Navy instructors will teach her performance of one of such duties as yeoman, radio operator, commissary steward, gunner's mate, and pharmacists mate.

MILESTONE MENU

Creamed Chicken on Corn Bread
Spicy Sweet Potatoes
Pickled Meets
Green Salad with French Dressing
Fruit Cake Dessert

Creamed Chicken on Corn Bread

Melt—
2 tablespoons fat.
Add, blending well—
2 tablespoons flour.
Add and cook, stirring constantly until thickened—
1 cup milk.
Add—
1 cup peas, cooked
1 cup cooked chicken
¾ teaspoon salt
½ teaspoon prepared yellow mustard.

Heat thoroughly and serve hot over squares of corn bread. Serves 4.

Bowling Scores

LADIES' HOUSE LEAGUE

	Won	Lost
Matthew's	41	22
Hi-Way	39	24
Multhaland's	36	26
Mill-Pex	33	30
Parks' Coal	32	31
McBride's	32	31
Birmingham Movers	31	31
Mel's	31	29
McNellis	29	34
Willie Bell	27	36
LaBelle's	26	37
Astler's	19	44

Weekly High Scores

Ind., single game—L. Jewell, 215.
Ind., 3 games—M. Grant, 521.
Team, single game—Mil-Pex, 824.
Team, 3 games—Mil-Pex, 2181.

JUNIOR HOUSE LEAGUE

Birmingham Juniors	41	14
Bird Service	36	21
Deck Cleaners	31	26
Peck's, Clothing	30	27
Rose	29	28
Mortimer's	29	28
Montgomery Ward	25	32
Judkin's	24	33
Martin Lines	20	37
Swaney	19	38

LADIES ALIBI LEAGUE

Milks' Auto Supply	39	15
Economy Furniture	35	19
Maybelle	34	20
Birmingham Nat'l Bank	29	25
Maxwell Shop	27	27
Dimas Furs	27	27
Davidson's	25	29
Wolverine Chips	23	31
McClellan Feed & Salt	22	32
Dixie's Market	22	32
Lindquist Baths	21	33
Reynold's Hat Shop	18	36

Weekly High Scores

Ind., single game—F. Hadden, 187.
Ind., 3 games—F. Hadden, 490.
Team, single game—Dimas, 708.
Team, 3 games—Maybelle, 2098.

DETROIT-EDISON LEAGUE

	Points
Team No. 1	47
Team No. 5	47
Team No. 10	46
Team No. 9	43
Team No. 3	36
Team No. 8	36
Team No. 2	35
Team No. 7	34
Team No. 4	32

Weekly High Scores

Ind., single game—Dupree, 224. Smeltz, 224.
Ind., 3 games—Stanton, 585.
Team, single game—No. 10, 897.
Team, 3 games—No. 9, 2517.

MERCHANTS' LEAGUE

Pontiac Cig. Service	46	32
Holmes Ice Cream	41	37
Dixie Diner	41	37
Birmingham Eccentric	41	37
Goebel's Beer	39	29
Triangle Furniture	39	29
Oliver's Beverages	32	36
Greyhound	32	36
Cotter's Tavern	32	36
Lions Club	29	39
Hi-Way Furniture	23	45
Standard Tool Engineering	13	55

Weekly High Scores

Ind., single game—Eller, 247.
Ind., 3 games—Chapman, 626.
Team, single game—Holmes, 927.
Team, 3 games—Holmes, 2681.

HOUSE LEAGUE

Homecraft	58	22
DeRay Tool	50	30
Dayner's	42	38
Welsh	42	38
Bell & Son	42	38
Birmingham Drug	42	38
Milks'	41	39
Oddfellows	40	40
Gundry's	37	43
Associated	36	44
Eynon-Dahin	28	52
Ladd's	21	59

Weekly High Scores

Ind., single game—F. Dominick, 223.
Ind., 3 games—F. Dominick, 619.

Valentine Tea Next Tuesday to Welcome Girls

BY CAROLYN KANE

A Valentine Tea will welcome 21 new girls to Baldwin, Tuesday, Feb. 11. It is the second party given by the Girls' League to honor entering students.

The tea table in room 101 will be covered with white organdy and red ribbons and centered with red candles and corsages for all the new girls. Every girl will be given a heart with her name on it to wear; these pretty paper hearts were made by Memorie Upper. Cookies, cakes, and punch made by Miss Margaret Widick's home economics classes will be served.

Last semester's social chairman, Glenice Render, is climaxing all her fine work in this capacity with this party and Virginia Bostwick will carry on as social chairman with Glenice's help. Jane Smith will sing "Moonlight Becomes You So," and Constance Coulter, new League president, will introduce the new officers.

An all-girl play, "Don't Tell a Soul," will be presented by Clare Rose Kean, Rosemary deBeaubien, Joanne Stone, Nancy Neumann, Marion Ardussi, LaVerne Coffield and Peggy Barbaugh under the direction of Nanice Ells.

Every new girl has a Big Sister to help her during the first week of school who will escort her to the Tea. The new girls: Ruth Brown, Lois Jean Brown, Evelyn Biggers, Gloria Barrington, Gail Babbit, Joanne Chapel, Mary Jeannne Forsyth, Helen Hagopian, Nancy Whitelaw.

Betty Shotwell, Beth Schooley, Mary Rogers, Margaret MacDonald, Sue Collins, Sally Kreidler, Velma Keogh, Elizabeth Gellatly, Gwen Chapman, Mary Lou Brungaber, Nancy Annan.

Nancy Allen, Norma Crouse, Cora Mendelman, Florence Thomas, Barbara Smith, Georgine MacDougall, Hazel Batty, Eunice Engel, Beverly Stanger, Gloria Maxwell, and Beverly Wales.

Acting as Big Sisters are Memorie Upper, Betty Middleton, Mary Taylor, Jane Houseal, Glenice Render, Sally Mock, Jane Ray, Phyllis Chapel, Dorothy Lyle, Nancy Burdick, Jane Smith, Ellen Anderson.

Nora Kolstad, Patty Price, Abbie Stroll, Nadyne Hecker, Carolyn Kane, Kitty Keller, Gerry Strong, Jackie Buck, Polly Hansen, Olly Ollesheimer, Muriel Lockrow, Connie Coulter, Marge Brenkert, Marilyn Adkins, Amy Roosevelt.

Sibyl Finch, Mary Jane Tuttle, Nanette Jensen, Ann Sears, and Dorothy Essery are also Big Sisters. Mrs. Carol Darling, Dean of Girls, is advisor to the Girls' League.

FUEHRER
(Schicklegruber)

Der Fuehrer, he is short and fat,
Und all he ever does is blat.
Heil! here, und Heil! dere,
Always ve Heil him somewere.
Off on the front the Fuehrer goes.
But when he gets there, he just blows.

—James R. Milldebrandt.

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Community House Calendar

This evening from 6 to 7:30, the family dinner will be served, at 6:30 the business girls' dinner and at 6:45, the Y trustees meeting. The only meeting scheduled for Friday is Red Cross sewing beginning at 10 a.m.

Saturday evening, the Horticultural society will meet at 8 o'clock and at 8:30, the Town Club dance will take place.

Monday morning at ten, surgical dressings, at noon, the Rotary Club, at 1:30, the Garden Club, at 6:30, the High-12 dinner and at 8 o'clock, the Community House board meeting and first aid class.

Tuesday morning starts out with the International Relations class and surgical dressings at 10, Exchange Club at noon, Dr. Hills' advanced first aid class at 7:45, the Oakland County Engineering Society at 8, and the glee club practice at 8.

Wednesday morning at 10, Red Cross sewing, at noon, the Lions Club, at 1:30 the Unity study meeting and nutrition class, and the A.A.U.W. musicale and tea. In the evening, first aid class at 7:30, Metropolitan Auxiliary at 8, and the Rebekahs at 8.

At 9:30 Thursday morning, musicale, practice, at 10, British Relief and Red Cross sewing, at 6:00, Family dinner, at 8, the Horticultural Society, and at 8:15, the MOMS Club.

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It happens in the best of families!
WARNER BROS. present
BETTE DAVIS
as the woman who meets her match in
PAUL HENREID
in
"Now, Voyager"
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Another best-seller from the author of "Gone Today" — another great one for today!
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