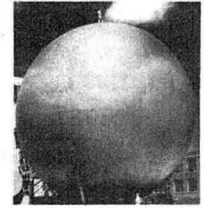
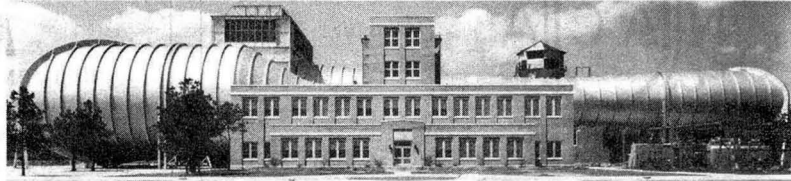
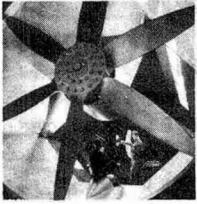


LMAL BULLETIN



LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 28, Vol. 2

Langley Field, Virginia, October 30-November 5, 1943

Page 1

KNOX TO VISIT LMAL NOV. 4 WENZINGER IS CALLED TO DUTY WITH NAVY

SECRETARY OF NAVY TO SPEAK TO EMPLOYEES AND TOUR LAB

Carl J. Wenzinger, chief of the 19-foot Tunnel Section, left the Langley Laboratory on Oct. 27, having been called to active duty as a senior grade lieutenant in the U. S. Navy.

He is expected to engage in aeronautical activity with the Navy Department. Further details in regard to his duties are not at present available.

The 40-year-old engineer began his affiliation with LMAL on Sept. 2, 1927. At one time he was head of the Atmospheric Wind Tunnel, going from that position to the 19-foot Tunnel assignment in August, 1939.

Mr. Wenzinger, a native of Philadelphia, graduated from Swarthmore College in 1925

Frank Knox, Secretary of the Navy, will visit the Langley Laboratory on Thursday, Nov. 4, according to an announcement by H. J. E. Reid, Engineer-in-Charge.

Secretary Knox will tour the Laboratory and especially plans to observe some of the Naval projects being studied here. It is planned to have the Laboratory staff assemble at 1:15 p.m. in the Structures Research building in the West Area to hear an address by the Navy Department executive.

The official plans to arrive at Langley Field by plane at 10 a.m., accompanied by a delegation which will include Rear Admiral John S. McCain; other high Naval officials; Dr. Jerome C. Hunsaker, Chairman of the NACA; Dr. George W. Lewis, Director of Aeronautical Research of the NACA, and John F. Victory, NACA

Secretary.

In order that the Laboratory staff may arrive at the Structures building for the address quickly and conveniently, lunch hour for employees may be moved up about an hour; and staff members may be asked to accommodate their riding combinations to and from the scene of the gathering as a means of helping to

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Employees Invited To Lecture Nov. 1

Eula Kennedy Long, wife of Frank Long, director of the Industrial USO Center on North King Street in Hampton, and an authority on South American affairs, will lecture on Monday, Nov. 1, at 8 p.m. at the Industrial USO and employees of the Langley Laboratory have been invited to attend. There will be no charge.

Tentatively, Mrs. Long's subject is listed as "Latin American Youth Looks Forward".

A daughter of missionaries, she spent 20 years in Brazil, the place of her birth, gathering information which she has imparted to hundreds

of audiences. That she has knowledge of her subject is evidenced by such observations as one made by Dr. J. E. Moreland, president of Randolph-Macon College, who pointed out that, "Few people are better qualified to speak interestingly and authoritatively on Brazil or Latin America."

Miss Sallie L. MacKinnon, secretary of the Woman's Board of Foreign Missions (Methodist), New York City, said: "...I made a visit to South America and learned from many sources that Mrs. Long's place of leadership in thought and

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GREEN COW DANCE NOV. 5 AT ARMORY

The Green Cow will sponsor a dance on Friday, Nov. 5, at the Hampton Armory, from 9 to 12, according to an announcement by T. Melvin Butler, chairman of the organization.

Music will be furnished by Edward Travis and his orchestra.

Season membership tickets for the year 1942-43 are good for admittance.

No tickets will be sold at the door. Those planning to attend, who do not have tickets, may purchase them from any representative of the Green Cow committee.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. The telephone number is 376.

Editor H. Lee Dickinson
Associate Editor Ruth Angel
Art Editor Ben Vogel
Reporters LMAL Employees

Fund Drive Still Short Of Goal

The Laboratory's Community Chest and War Fund total, as of 3 p.m. Thursday, Oct. 28, was \$2,948.16, it was announced by E. McKinley Hutton, who is in charge of the campaign here. This was \$2,051.84 short of the \$5,000 goal set for the Laboratory.

The totals included \$1,099.35 collected by solicitors in the Full Scale Tunnel Area, in charge of Virginia Tucker; \$1,087.71 in the Administrative Area, of which Lucy Bainbridge is chairman, and \$761.10 in the West Area, where Mary Jones is conducting the effort.

H. J. E. Reid, Engineer-in-Charge, in a statement made during the past week, requested that "everyone reconsider the question of their gifts...and try to give it greater support". Pointing out that he considered the Laboratory's quota a modest figure, Mr. Reid, who is chairman of the Admissions and Auditing Committee of the Elizabeth City County Community Chest, said that "the various organizations participating in the local Community Chest are most worthy of your support" and emphasized "that your contributions will be used wisely". Fifty-three per cent of the money contributed in the local campaign will go to the War Fund, which includes among other agencies the USO.

Mr. Reid addressed solicitors of the three areas the past week, explaining various phases of the Community Chest and War Fund effort.

It is possible to make pledges for collection at a later, more convenient date and the various solicitors will be glad to explain this to staff members. The names of solicitors and the area in which they are canvassing are listed in last week's Bulletin.

STOP-LOOK-LISTEN: "When you talk you only say something you know--when you listen you learn what someone else knows."

FOOLPROOF: *Floyd Smith in 1919 perfected the first foolproof parachute.*

WIRELESS: *Three decades ago J. A. D. McCurdy sent and received the first wireless in the air.*

REGENERATION: "Ideas are the mightiest influence on earth. One great thought breathed into a man may regenerate him."

INTRODUCTION: *Aviation's "beam" system was introduced by M.S. Boggs on Sept. 16, 1931*

EARLY BIRD: *Harriet Quimby in 1911 became the first woman to hold a United States pilot's license.*

VACATION RHAPSODY

RETURN OF THE NATIVES:

R. E. Mixson, ICL, from Washington; Gloria Nestor, ICL, from home in West Virginia; Helen Carlberg, ICL, from Wisconsin; Dot Severance, ICL, from North Carolina; Herman Ellerbrock, Cowling and Cooling, from Cleveland, where he, along with Abe Silverstein and Gene Manganiello, formerly of LMAL, helped Pearl Young celebrate her birthday; Marty Weiner, Engineering Section, from Philly; Elizabeth Hartwell, Tank, from Manassas; David Goldenbaum, Tank, from New York, where he took in the best plays; Virginia Salley, ALD, from Richmond; John Munnick, assistant procurement officer, from Richmond; Shirley Huxter, 16-foot Tunnel, from home in Richmond; Phyllis Rietheimer, 16-foot Tunnel, from home in Philadelphia; John Houbolt, Bob Weinberger, and Pat Chiarito, Structures, from a week-end in Washington; John Neff and Manny Stein, Structures, from the Navy-Georgia Tech game in Baltimore; Lloyd Fisher and Robert Tarnis, Tank, also back from the Middle-Tech tilt; Audrey Campbell, Editorial; Roy Lange, Full Scale; Helen Flannagan, ALD, and Ben Johnson, AFR, also from the game; Rene Rhodes, AWT, from home in Richmond; Eleanor McKinstry, AWT, from home in Pennsylvania; Wanda Carpini, Duplicating, from Richmond.

THOSE STILL AWAY: Ruth Miller and Mary English, Editorial, at their homes in Alabama, where they are visiting their alma mater, Huntington College; Wilfred Kelly, Tank, at home in Lexington, Ky.; Jerry Crouch, ALD, at home in South Carolina; Madeline Harrison, Stenographic, at Spence Field, Moultrie, Ga., where she attended the graduation of a "friend"; "Goody" Goodloe, Tank, at home in Crozet.

FRM ASSUMES FOOTBALL LEAD

The past week saw some changes in the NACA touch football league standings.

Structures, undefeated until last Sunday, was swamped by PRT, 21 to 0. The winners scored in the first quarter on a sleeper play from Mastrocola to Cohen. A pass, Mastrocola to Nichols netted the extra point. PRT scored on a safety in the third period and again in the third when Cohen intercepted a pass and ran 50 yards for a touchdown. The final score was made in the fourth by a line buck through center, with Nichols carrying the ball over from the one-yard line.

Flight Research Maneuvers defeated the Tank, 14 to 0, to move into first place. FRM scored on the opening plays on a pass from Sjoberg to Reeder, with Matthews converting. Tank defense tightened until the third, when FRM scored on a pass, Sjoberg to White, Matthews again converting.

Engineering Section topped the West Area Shops, 14 to 7, in a closely-contested tussle. West Area scored first on a toss from Seward to Cecil, and counted the extra point on a fake kick and pass, Seward to Forrest. Engineering came back and scored on a short pass from Schumacher, which Blank carried over. The kick for extra point was wide. In the third quarter a bad pass set the Shop team back for a safety and Engineering took the lead, 8 to 7. West Area tried several last-minute passes in the fourth and Nutter knocked one into the arms of George Sadler, who galloped 50 yards for the winning marker.

AFR beat 16-foot Tunnel, 6 to 0, in another close game, with the margin of victory being a touchdown pass caught by Jack Erwin. The 16-foot Tunnel offense was bottled up effectively by the AFR line.

Full Scale forfeited to 8-foot Tunnel.

The league schedule follows:

Oct. 31: Engineering vs. 8-foot, and Structures vs. Tank at Hampton, 11 a.m.; 16-foot vs. Full Scale at Wilson, 11 a.m.; West Area Shops vs. FRM at Hampton, 1 p.m.; and PRT vs. AFR at Wilson, 1 p.m.

Nov. 7: AFR vs. 8-foot, and PRT vs. Tank at Hampton, 11 a.m.; West Area Shops vs. Full Scale at Wilson, 11 a.m.; Engineering vs. 16-foot at Wilson, 1 p.m., and Structures vs. FRM at Hampton, 1 p.m.

The standings:

	Won	Lost	Pct
FRM	2	0	1.000
Structures	2	1	.667
Engr. Section	2	1	.667
PRT	2	1	.667
AFR	2	1	.667
8' Tunnel	1	1	.500
16' Tunnel	1	2	.333
Tank	1	2	.333
Full Scale	1	2	.333
W. Area Shops	0	3	.000

DAY NURSERY DETAILS BEING WORKED OUT

Mrs. Lenore D. Hulcher, counselor to women, announced today that efforts are still being made to establish a day nursery to accommodate young children of mothers employed at the Langley Laboratory.

She pointed out that since the announcement late in September that the establishment of a nursery was contemplated through the cooperation of the Elizabeth City County school system, final details have been in the process of being worked out.

An announcement will be made as soon as definite plans for the project are completed.

JUST SEW SO: Hey, girls, have you ever been in need of some sewing and no machine to accomplish it with? Well, the Industrial USO has a sewing machine available from 10 a.m. to 11 p.m. and Laboratory employees are invited to make use of it, free of charge.

BOMBS AWAY: The first U.S. Army bombardment tests took place in 1912 at San Diego.

"THE MERRY WIDOW" TO BE PRESENTED

The Newport News Operatic Society will present Franz Lehhar's opera, "The Merry Widow", at the Newport News High School on Monday and Tuesday nights, Nov. 8 and 9, at 8 p.m. Alessandro Angelucci will conduct.

Three LMAL employees are affiliated with the organization and two of them, Ben Johnston and Richard Sawyer, are taking part in the presentation. The other affiliate is Howard Garris. Tickets may be obtained from either of the three. Garris may be located through telephone 264, Johnson through 249, and Sawyer through 229.

The three-act opera opens in the Marsonian Embassy in Paris, where Sonia (the Merry Widow) is visiting. Every man she meets wants to marry her, mainly for pecuniary reasons. Efforts are made to intrigue her into marrying Prince Danilo in order that her country will not lose her wealth. The second act takes place in the Merry Widow's garden at home, where a party holds forth. The third act is set in Maxim's Cafe, with much comedy being offered through the flirtations of the husbands with the Cafe girls. When the Widow announces that she will lose her money if she marries, her suitors suddenly lose interest. The climax brings a delightful surprise.

Principal characters include Arthur Hanna of Norfolk, Jalidan; J. W. Rowe, Cassada; E. A. Carter, waiter; Bruce Vanderboegh, Prince Danilo; George Ellis, Popofs; Ruth Meanly, Natalie; May Blaha, Olga; Florence Clay, Sonia, the Merry Widow. There are 50 in the chorus and dance groups.

BONDS BUY BOMBERS

JUDGE A MAN not by his great qualities, but by the usage which he knows how to make of them.

ANNE WYTHE HALL WILL OPEN SOON

Pending the installation of furnaces in the buildings, the opening date for the Anne Wythe Hall, located in the vicinity of Kecoughtan Court Apartments in the Wythe District, has not been set as yet. However, in all probability, it will open within the next two weeks, according to E. McKinley Hutton, Housing Officer.

The residence halls, which will house 368 unmarried women now engaged in defense work, will consist of three dormitories, a community building, and an infirmary. Two of the dormitories will be composed of double rooms and one, of single rooms. The building of a cafeteria is being planned and it is hoped that it will be completed before the first of the year.

Each dormitory will have a large bath and a laundry room located on each floor. On the first floor of each building there will be a lounge room where dates may call for the girls, and each building will also have a pantry-like room where girls may fix midnight snacks.

The community building, which will be located in the center of the court, will contain the main office, a large ball room, a lounge room where girls may entertain their callers, a library, and a soda bar.

The infirmary, which will be available to all occupants, will have four beds, and a registered nurse will be on duty to take care of those who are ill. All the services will be free except meals.

The whole set-up will be under the supervision of a resident manager with a house mother in charge of each building. Complete rules have not been made; however, buildings will observe a closing hour at 11 p.m. This closing time will by no means be a curfew, but purely a safety measure as protection against prowlers. Anyone desiring entrance after 11 o'clock may obtain admittance by simply

contacting the watchman on the grounds.

The rooms are attractively decorated with red and black block linoleum floors and are furnished in blonde maple. Each double room will be furnished with two beds, two chairs upholstered in red leather, a chest of drawers, two closets, two lighting fixtures, and three blankets each. Linens will be changed twice each week, and hand towels will be furnished daily and bath towels every other day. The rooms will be heated by hot air with forced ventilation. Single rooms, which will have the same type of furniture, will have one bed, a chest of drawers, a chair, and one closet.

Rates will be \$5 per week for a single room and \$3 per week per person for a double room.

Arrangements have been made through the Laboratory's housing officer, E. McKinley Hutton, so that NACA girls will not need to go through any formality in making application for rooms, except to apply in person at the central office of the community building when the hall opens. At that time they will be assigned a room. This is believed by Mr. Hutton to be the simplest and most satisfactory method.

KNOX TO VISIT

(From page 1)

solve the transportation problem.

The Structures building's main room is being cleared this week to make room for the large NACA audience. A special amplifying system is being installed for the occasion.

Beginning at 10:05 a.m., the tentative program includes a visit to the Hangar, Tank, Free Flight Tunnel, Spin Tunnel, Full Scale Tunnel, and High Speed Tunnel. Secretary Knox plans to leave for Washington at 2 p.m. by plane.

The Laboratory staff will be notified in regard to the detailed program when it is settled upon.

EULA KENNEDY LONG

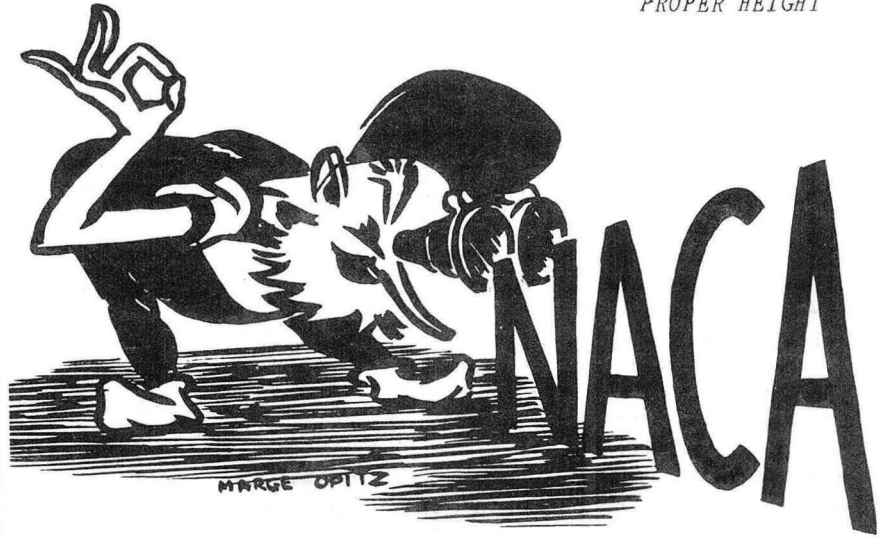
(From page 1)

life in Brazil was equalled by no non-Brazilian woman...She is gracious and charming in personality and will appeal to large audiences or small groups."

Mrs. Long's marriage to Frank Long was the culmination of a shipboard romance, which began when the two met en route to Brazil. There were five children, one losing his life last year at Guadalcanal. One other is in the Navy and another plans to join the Army.

REPRODUCTION AL SAYS:

MAKE LETTERS
PROPER HEIGHT



LIBRARY NEWS

The following books have been cataloged and are now available for charging out from the Library:

Pease. Equilibrium and Kinetics Of Gas Reactions.

Durand. Aerodynamic Theory. Vols. 1 through 6. 2 additional sets.

The Supervisor's Manual. 1943.

Handbuch der Physik. Vols. 24₁ and 24₂.

Engineering Encyclopedia. Vols. 1 and 2. Edited by Franklin D. Jones.

Elsasser, W. M. Heat Transfer By Infrared Radiation In The Atmosphere. 1942.

American Society For Testing Materials Methods of Chemical Analysis of Metals. 1943.

The following books have not been cataloged and therefore are available only for reference in the library:

American Society For Testing Materials. Proceedings of the Annual Meeting (June 26-30, 1939) Vol. 39. Committee Reports and Technical Papers.

Bernhard, R. K. Mechanical Vibrations.

Bridgman, P. W. The Nature of Thermodynamics.

Annual Tables of Physical Constants and Numerical Data. 1941 and 1942. National Research Council.

Burns and Schuh. Protective Coating For Metals.

Dingle, H. D. Mechanical Physics.

Dryden & others. Fluid Mechanics And Statistical Methods In Engineering.

Gillett & Mack. Molybdenum, Cerium and Related Alloy Steels.

Hogben, L. Mathematics For The Million.

Humphreys, W. J. Ways Of The Weather.

Manly, G. B. Aircraft Powerplant Manual.

National Council of Teachers of Mathematics. Source Book Of Mathematical Applications.

Zweng, C. A. Radio And Instrument Flying. Instructor manual.

Life At The Laboratory

MISCELLANY: Lieut. (j.g.) Arthur Carter, formerly of the Tank, was a recent visitor, as was J. R. Vensel, AERL test pilot; William H. Swann, of AERL, and Carl J. Wenzinger, Jr., member of the armed services, to see his father....Helen Wall, AID, was called home in Aspen upon the death of her uncle....Charles Welch, ALD, has left to study medicine at Tufts College....Cecil Burtner, Model Finishing Shop, and his wife celebrated their fifth wedding anniversary Friday night at the Sigma Club dance in Newport News....Harry Barritt, West Sheetmetal, and his better half also observed their fifth anniversary recently....Emma McSmith, supervisor of char women, is trying to live up to the title of grandmother. Her son, Duane McSmith, an instructor at McKellar Field, Tenn., is the father of a new daughter....Charles Brandes, Planning and Procurement, is the father of a baby daughter, Beverly....FRM is looking forward to a pleasant evening when they and other Lab members meet tonight at the Chamberlin Country Club for a Halloween dance....Martha Wilis, Apprentice Administration, plans to go to Rhode Island next week and bring home a "sparkler"....The Industrial USO has offered its facilities for bridge tournaments among LMAL personnel. Are you interested? An invitation is extended to all modelmakers to attend the wedding of Leonard Purdy, formerly of LMAL, and now in the Army Air Force, on Nov. 5 at 5:30 p.m. at the Park View Christian Church in Portsmouth.

LET'S HAVE A PARTY: Anna D. Cumming is entertaining the Apprentice Administration at a Halloween party tonight (Oct. 30). Tom Hulcher plans to go in masquerade as "Little Bo Peep"....Personnel's party at Oak (okay) Point last Saturday was a howling success, with most of the howling being done by "Pat" Patterson, Lib Scott, Doris Bloxom, F.L.M. Storm's tired tenor, and Dr. W. A. Aery's barrel house bass. The card game of "chance" was enjoyed by many; however, Nellie Miller was the only member of the fairer sex brave enough to "take a chance". Highlight of the evening was Mary Jean Thompson eating her first oyster....Helen Wheary and Lenore Hulcher entertained Friday night at the latter's home with a buffet supper and linen shower for Mary Jean Thompson....Walter Hixon served a buffet supper at his home last week for the Apprentice Administration. Little Leigh Lewis had a good time romping with Frank Penland's and Hixon's children....The Duplicating Office entertained with a birthday party for Florine Salcone on Oct. 21 at the home of Thelma L. Webster in Copeland Park....Engineering Section frolicked the night of Oct. 22 at the Chamberlin Country Club....The Stability and Control Division's picnic at Oak Point Oct. 24 proved a success. With Marvin Pitkin acting as master-of-ceremonies, the party began with a series of relay races. AWT won the two-legged race and received two back scratchers as prizes. In the peanut race, Free Flight Tunnel won a box of peanuts, and also won a warm and hearty hand-shake from the committee by emerging first in the egg relay. AWT was also the winner in the tug-of-war. When the day's final scores were tabulated, AWT was declared the winner and was awarded a plaque. Joe Shortal and his wife won the treasure hunt.

HONEYMOON: Kay Kelsey, AWT, and Duke Wetherington, of Raleigh, N.C., will be at home at 71D Kecoughtan Court after a wedding trip. They were married Oct. 21 in First Baptist Church, Newport News. Mary Jean Thompson, Personnel, was matron-of-honor, and LaVerne Priddy and Lib Garner, AWT, were bridesmaids.

STABILITY DIVISION FORMS BOWLING LEAGUE

Although the fire which destroyed the Wythe bowling alleys forced abandonment of the NACA bowling loops when it was found impossible to obtain sufficient alleys at another recreation center, the undaunted Stability Division has organized a league comprised of seven teams from its various sections.

The league has arranged to bowl on Friday nights at the Sports Bowl north of Newport News. The first games were bowled Friday, Oct. 29, with the AWT's "Wreckers" meeting Free Flight's "PH-F-F-T's"; the Spin Tunnel "Tumblers" tangling with Stability's "Soule's Stable Boys", and Free Flight's "Genius, Inc.," sitting one out with a bye.

Participants in the first games all agreed that they enjoyed the fun and offered the suggestion that other sections or divisions at the Laboratory form their own leagues as a means of increased entertainment.

INDUSTRIAL USO: This week's program includes: Monday--7 to 8 p.m., sewing class; 8 p.m., lecture on "Latin American Youth Looks Forward", by Eula Kennedy Long; Tuesday: American Legion meeting; Wednesday: 6 to 8 p.m., ball room dancing instruction; 12 midnight to 3 a.m., activities for swing shift workers; Thursday: Jam session; Friday: 7 to 8 p.m., boxing instruction by Gus Boughan, Purdue's 1942 boxing team captain.

H. L. Mencken: "We must be willing to pay a price for freedom, for no price that is ever asked for it is half the cost of doing without it".

JAMES A. GARFIELD: "...for the security of the future I would do everything."

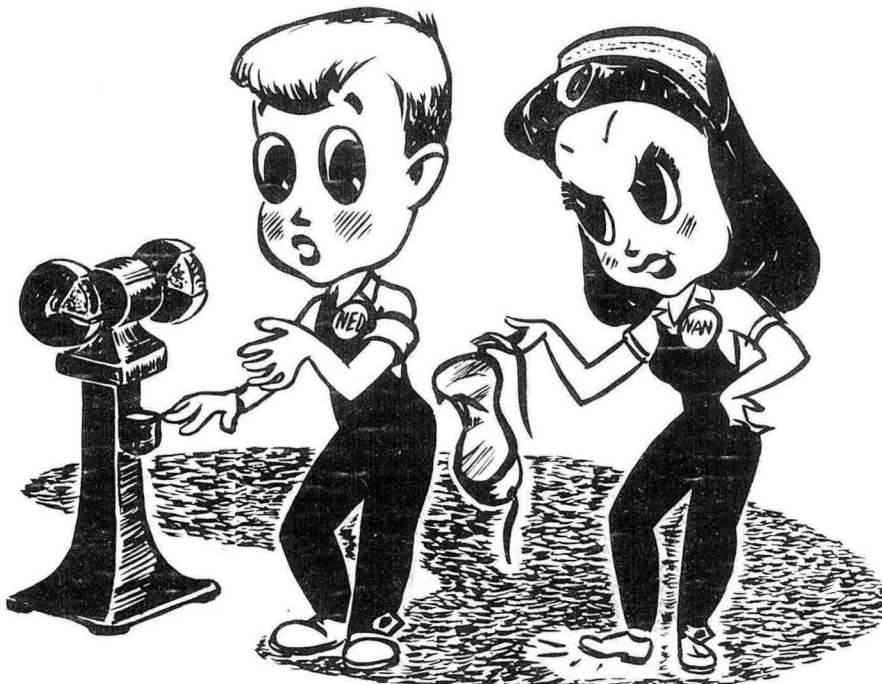
COMMUNITY CHEST



GUARD your lips

What you do here
 What you see here
 What you say here
 When you leave here
 Let it stay here

THERE'S NO ARGUMENT!



SAFETY IS WORTH A LOT
BUT
 IT DOESN'T COST A CENT