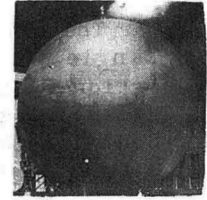
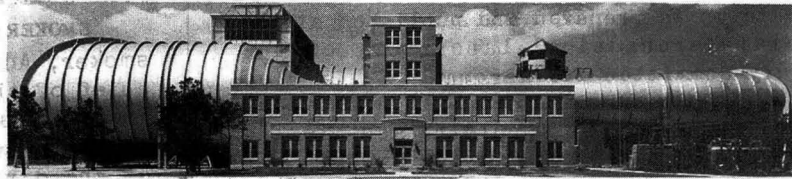
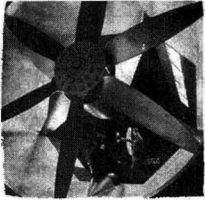


LMAL BULLETIN



LANGLEY MEMORIAL AERONAUTICAL LABORATORY

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CONTRACTS SEALED FOR NEW PROJECTS

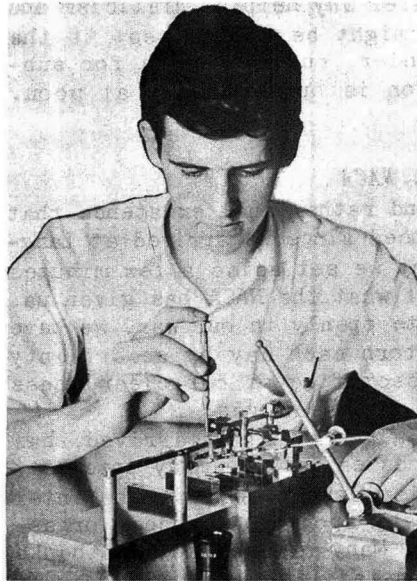
All contracts have been awarded and construction of all of the \$8,000,000 worth of new buildings and equipment in the West Area of the Langley Laboratory has begun. Ray W. Hooker, head of Construction, stated that when the project now underway is completed near the end of 1944, the research facilities in that area will be of the same magnitude as those in East Area.

The building of a new \$1,000,000 heating plant and steam distribution system is in progress. This heating system will be used to heat only the new buildings, but it is so designed that the entire new area may be heated by it sometime in the future. The Rust Engineering Company of Pittsburgh has the contract for construction of this building.

The form work and the first floor of the Physical Research Laboratory has been completed and it is expected to be opened in September 1944.

Other major projects in the program and the contractors include a 7- by 10-Foot Wind Tunnel, Pittsburgh Des Moines Steel Company; Furnishing and Installing Propeller Drive Unit for 8-Foot High-Speed Tunnel, General Electric; Electrical Equipment Building for 8-Foot High-Speed Tunnel, West Model Shop Extension, Electrical Building, Aircraft Loads Calibration Laboratory, Roads and Sewer System, Wind Tunnel Laboratory, Aircraft Loads Building, and Sheetmetal

LMAL INTEGRATORS COMPLETED APPRENTICE BOYS CREDITED



In the above picture, Frank Hilsdon is shown working on one of the integrators.

Shop, Virginia Engineering Company of Newport News; Gust Tunnel, Electronic Aircraft Instrument Laboratory, and Induction Aerodynamics, F. D. Rich Company of New York City; Furnishing and Installing Propeller Drive for 7 by 10-Foot 300 Mile-Per-Hour Wind Tunnel and Propeller Drive Unit on 7- by 10-Foot Wind Tunnel, Westinghouse Electric and Manufacturing Company.

Small equipment contracts have also been awarded for small buildings such as electrical distribution, cables, miscellaneous research equipment for various laboratories.

Due to the expansion of the Committee's activities about two years ago, there became a vital need for an increase in the number of integrators used at the three laboratories. Previously, these instruments were obtainable only from Switzerland, but since the country was surrounded by axis powers, it was impossible to get them out of the country and into the United States.

Apprentices Successful

After a canvas was made of the three laboratories to determine the number of instruments required, drawings were made and turned over to the Instrument Service Shop. Under the supervision of W. I. Dansey, the following apprentices are responsible for the success of the instruments: Frank Hilsdon, Paul Fournier, Roger Fournier, Edwin Odell, and Herbert Schaeffer.

Instruments Completed

In spite of a number of delays due to unforeseen difficulties, the instruments were completed last week. These integrators are used primarily in pressure distribution surveys both theoretical and experimental.

After a careful check of the instruments made here at the Laboratory, they were found to be equal, if not superior, to those foreign made.



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. Telephone: 376.

Editor Ruth E. Angel
Associate Editor Audrey Campbell
Reporters LMAL Employees

Bon Voyage

We, the new staff of the LMAL Bulletin, wish our departing editor, H. Lee Dickinson, a fond and sad farewell. We wish him the best of luck in his new job with Uncle Sam's Navy. We will miss him, but with your patience and cooperation we hope to carry on where he so capably left off.

Since we are comparatively new at this job, we will need your help. Please feel free to offer any helpful criticism and send in any contributions that might be of interest to the Laboratory employees. As a reminder, our dead-line for submitting material for publication is on Wednesday at noon. The telephone number is 376.

Thank You, NACA

In spite of the speeded-up and rather full existence that each of us employees has experienced since we arrived at Langley Field, it seems feasible that we set aside a few minutes occasionally to take inventory of what the NACA has given us. Along with a chance to participate openly in our war, we have had a chance to live lives not torn each day by uncertainty and fear and not demanding the sacrifice of our cleanliness, transportation, leisure time, or pleasures.

There is not one of us who, since we first arrived, has not made several invaluable friends as well as many interesting acquaintances. We must realize and appreciate the entertainment and recreation given us by sponsored dances, organized sports, and section parties. Many of us also owe thanks for our housing and transportation facilities, which the NACA has helped us obtain.

Let us not forget the kindness and interest shown each employee which is expressed by placement in a position most suitable to us in view of our former training and education, inspection tours of the field, opportunity for personal advancement through sponsored classes, and privilege of expressing our dissatisfaction with any phase of our work. Let us show our appreciation to the NACA by the fullest cooperation with our fellow workers and by a renewed effort to make our organization grow - in size, in reputation, and in production.

Luck To Lee

From the many letters received from members of the LMAL staff wishing Lee Dickinson luck and Godspeed, it is obvious that our former editor will be missed not only by the Bulletin Office but by the entire Laboratory. He has been praised for his service to LMAL, commended for his willingness to sacrifice his private life temporarily to serve his country, and complimented for his own personal qualities.

The LMAL joins together in awaiting Lee's return and, meantime, wishes him the best of luck and success.

CLEVELAND CLIPPINGS

SMOKER: At the third AERL smoker, Addison M. Rothrock, chief of the Fuels and Lubricants Division, told employees that the two main objectives of the division are "to determine what is the maximum economy and the maximum power we can get from new and improved fuels and lubricants, and to find by mechanical devices means for increasing these maximums".

LOST SILVERWARE: The manager of the cafeteria asks that all silverware that was removed from the cafeteria be returned. It is estimated that since the opening of the AERL cafeteria approximately \$600.00 worth of silverware has been lost.

LOBBY LINES: Walter H. Reiser of LMAL was in Cleveland on official business.

TENNIS: AERLites are organizing a tennis club and four courts have been obtained for the matches. Members hope this new activity will take their mind off of gas rationing, and that the extra layer of excess around the middle will gradually disappear.

SMASH HIT PARTY: Four hundred folks joined the party given by Engine Research and Supercharger Division. The highlight of the evening was the egg hunt with the four winners giving a public performance.

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ADMINISTRATIVE OFFICE MOVES TO SECOND FLOOR

The offices of Elton W. Miller, Chief of the Administrative Department, W. Kemble Johnson, Administrative Officer, and Edward Howe, Assistant to Administrative Officer, are now located in two offices across from the Editorial Office on the second floor of the Administration Building.

Mr. Miller's telephone number, 201, and Mr. Johnson's number, 220, remain the same. Ed Howe's new telephone number is 322.



SPORTS



SOFTBALL LEAGUE ENTERS SECOND WEEK

The second week of the softball league will open with two games on Monday, May 8. Full-Scale Tunnel will play Engineering Section with Henry Schatz, West Sheetmetal Shop, umpiring; and Bat Busters (Stability) will tangle with 19-Foot Pressure Tunnel with Jack Westfall, Impact Basin, umpiring. On Wednesday, May 10, the 8-Foot High Speed Tunnel will meet Flight Research Division with Jerry Teplitz, 19-Foot Pressure Tunnel, umpiring; and the Tank will vie with East Area Shop with Joe Kotanchik, Structures, umpiring. AWT will play Aircraft Loads on Thursday, May 11, with Gene Santi acting as umpire. Two games will be played on Friday, May 12. Low Turbulence will meet PRT with Anshel Neihouse, Stability Tunnel, umpiring; and Structures will battle with Instrument Research with Jack Westfall, Impact Basin, umpiring. All games will be played at the Darling Memorial Park, Hampton.

In the opening game of the season played Monday, May 1, 19-Foot Pressure Tunnel overwhelmed Engineering Section with a score of 17-0. Ray Salmi was pitcher for the winners and Leonard Spelber for the losers. On Wednesday, May 3, 8-Foot High Speed Tunnel defeated Aircraft Loads by a 10-5 victory. Don Baals pitched for 8-Foot and Bill Aiken for Loads.

PH-F-F-TS WIN BOWLING TOURNEY

The results of the third round in the Stability Division Bowling League are as follows:

Team	Section	Games		Percen. won
		won	lost	
Ph-F-F-Ts	Free-Flight Tunnel	15	6	.715
Tumblers	Spin Tunnel	14	7	.667
Wreckers	AWT	11	7	.611
Soule's Stable Boys	Stability Tunnel	10	8	.555
Spinners	Spin Tunnel	9	9	.550
Genius, Inc.	Free-Flight Tunnel	4	14	.286
Bamber's Bombers	Stability Tunnel	2	16	.125

In the play-offs by the winners of the three rounds in the league, the Ph-F-F-Ts defeated the Tumblers and Genius, Inc. Credit must be given to the AWT Wreckers, also, for coming in second in two rounds and for finishing third in one round.

COMPUTERS WILL GIVE USO SUPPER

It is customary for various organizations to sponsor Sunday night suppers at the Hampton U.S.O., and it has been found that the servicemen greatly appreciate this courtesy. Last year the East Area Computing Section gave one of these informal suppers, and the girls have been invited to give another this year. This time, however, all the com-

puting sections on the field were included in the plans for the supper which is to be given May 7. Some girls from each of the computing sections of the various tunnels will be at the U.S.O. to entertain and serve the soldiers, and others who cannot be present at the supper will help prepare the food and will assist financially.

C. JOHNSON WINS GLIDER CONTEST

The Brainbusters' hand-launched glider contest was held as scheduled last Sunday at the La Salle Avenue flying field. The singing whine of ascending gliders filled the air for four hours, during which time long thermal flights were made. Caldwell Johnson, East Engineering, had the longest single flight, which lasted 3 minutes and 39 seconds. Strong thermal flights were in evidence most of the afternoon, and only a brisk wind held down the lengths of the flights as gliders drifted rather than passed from sight overhead.

The winners of the contest along with the total length of time for the 3 best flights are as follows: Caldwell Johnson, East Engineering, 7:14; Frank Parmenter, West Machine Shop, 6:38, Joe Boyle, East Model Shop, 5:46.

Among the runners-up Dick Sladek, Dynamic Model Shop, 5:22; Frank Cisco, West Machine Shop, 3:54; Dick "has-been" Everett, Dynamic Tunnels Operation Shop, 3:35.

The nine gliders which Frank "the challenger" Cisco brought to the meet could not stave off defeat, and it is understood that he lost some cash as he went down flinging.

The next event on the contest calendar is a gas powered contest on Sunday, May 28. Further details will be announced at a later date.

Plans are also under way for a big gas and rubber power meet on August 27. The club hopes to make it bigger and better than last year's sea-plane championships.

Men marry because they are tired, women because they are curious; both are disappointed.

--Oscar Wilde

The wife who drives from the back seat isn't any worse than the husband who cooks from the dining-room table.

Service Notes...

Harleth G. Wiley, formerly of the Free Spinning Tunnel, writes from Williamsburg that the Navy is a great life, if you like to get up at 5:30 a.m. He says, "I was blind-folded and led into a barber shop where my head was shaved an inch above my ears, bowl fashion, and the rest was cut to a short half inch. I sent my comb home with my civilian clothes". Wiley began work at the Laboratory July 1, 1943, and left on April 19, 1944. His present address is: A/S Harleth G. Wiley, GS, Platoon 488, Area A-6, Barracks 103, Camp Peary.

Bill Goodlow, formerly of Personnel, writes from somewhere in England to say "Hello" to all his friends. In his letter he writes the following: "The buying of war bonds is not in vain, believe me. You will never realize what it means to have real equipment. Through your efforts at home, we here at the battle front can hope to attain victory and a lasting peace....We won't let you down". Bill began working at LMAL August 1, 1942, and left it to go into the Air Corps on January 21, 1943.

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BUY WAR BONDS FOR VICTORY

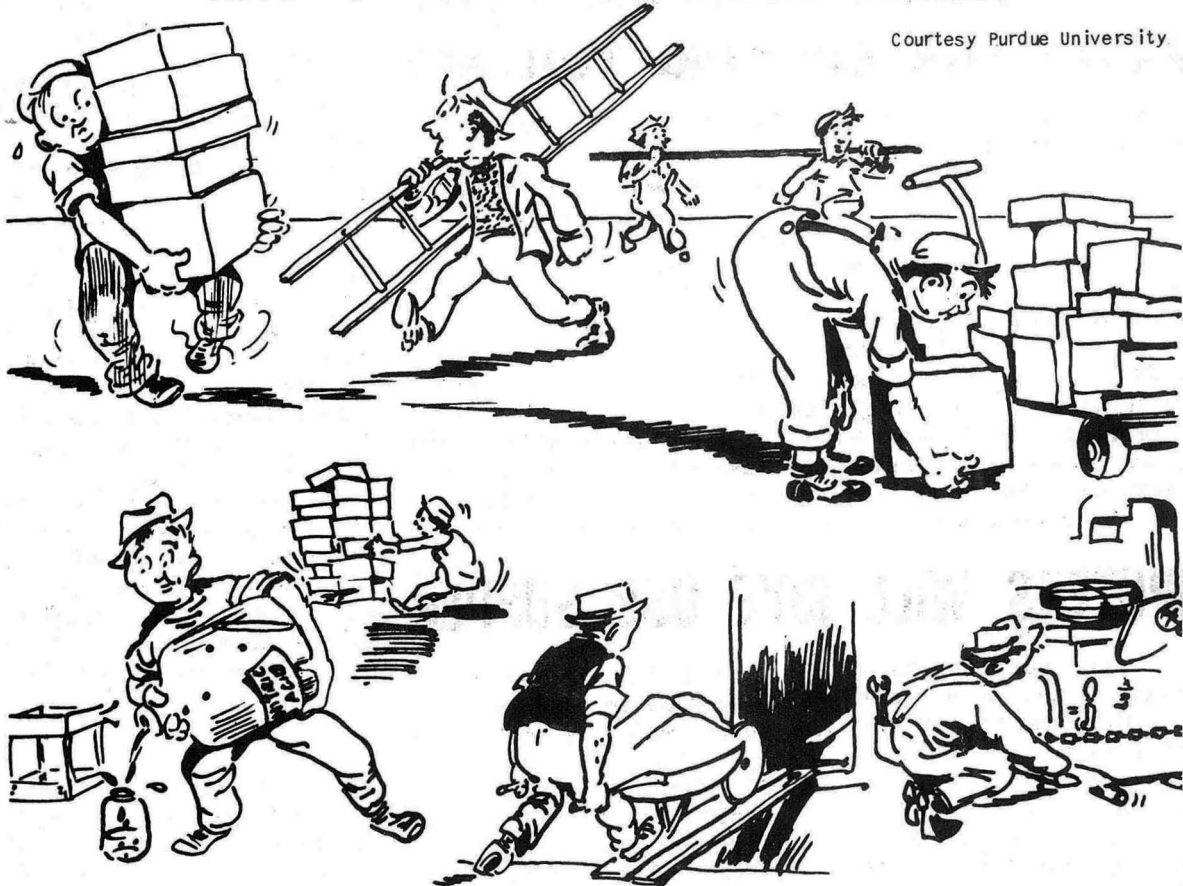
DO NOT DESTROY TIRE INSPECTION RECORDS

Tiny Hutton, of the Personnel Services Office, issued a warning last week to all Laboratory employees not to discard their tire inspection records for their automobiles. Despite rumors to the contrary, it is still necessary to submit the record with each application for supplemental gasoline or for the renewal of the same. However, the tires need to be inspected only upon application for tires and tubes.

A new application form has been issued for supplemental and renewal applications. All employees are advised to make all future applications on the new form because no old form will be accepted after Sunday, May 7.

ANY UNSAFE PRACTICES HERE?

Courtesy Purdue University



MANUAL HANDLING OF MATERIALS

For accident hazards appearing in above picture, see next week's BULLETIN.

Life At The Laboratory

VACATION RHAPSODIES: Glenda Ellison of the Stenographic Section is visiting her home in West Virginia where she is spending some time with her brother who is in the service and who expects to be overseas in the near future...Sara Bullock, East Area Computing Section, is spending a week at her home in Danielsville, Georgia...Bill Biebel, Full Scale, and his family have just returned from a trip home to New York City...Lola Dodson, Full Scale Tunnel spent the week-end at her parents' home in Aspen, Virginia...Helen McLaughlin, Full Scale, and her husband spent his 2-week furlough in Pontiac, Michigan...Bob Boswinkle, PRT, is visiting his home in Rose-lawn, Indiana and John Morelli, PRT, his home in Boston...Dorothy Manbeck of Stability Analysis flew home to St. Paul, Minnesota to attend a family reunion...Les Schneider of the Spin Tunnel has gone home to Muncie, Indiana for a visit...Harriet Fowler, Purchase, is back after a 2-week vacation in Norfolk...Frank Fay, Purchase, spent the week-end in King and Queen, Virginia...Wilhemina Kroll and George Baab of Structures are both back at the Lab after visits to their respective homes in Washington, D. C...Hilda Porter, Selective Service, has returned after a week's excursion to New York.... Harold Crate, Structures, and his wife are back after a trip to Washington, D. C.

MAY DAY TRIPS: Flo Winton, Free-Flight Tunnel, and Louise Cox, Flight Research, will return to their Alma Mammy, Randolph-Macon Women's College, in Lynchburg, Virginia for the May Day exercises this week-end...Esther Wendling, Flight Research; Bill Mueller, Full Scale; Anne Smith, Aircraft Loads; and Ed Palazzo, 8-Foot are attending the May Day exercises at the University of Richmond today.

ROMANCE: Florence Lee, formerly of Full Scale, was married at St. John's on Monday, May 1, at 5:30 to Lt. Carl Van Putnam of Inchelium, Washington. The couple will make their home temporarily at Camp Stewart, Georgia...Hal Sweberg, Full Scale, is engaged to Toby Berger of New York City and will be married in June.

MISCELLANEOUS: Dave Buchanan, Stock, left Monday, May 1, to enter the army...Louise Moss, formerly of 16-Foot, is at her home in West Virginia awaiting further orders from the WAC...Pat Patten, formerly of Personnel, leaves May 15 for Washington where she will go into training for overseas duty with the Red Cross as a staff aid...Frances Bray, Selective Service, received word that her brother, Lt. George Peacock who is 1st pilot of "Missbehavin'" was awarded the Air Medal and Oak Leaf Cluster...Among those initiated into the Photo Lab Seaters' Club during the past week were Virginia Bangsberg, Dot Severance, Mary Thorne Tyson, J. J. Lankes, Clyde Lumpkin, Mrs. Webster, and Rufus House. Awaiting immediate induction is Dr. Aery of the Selective Service Office.

PARTIES: The Fourth Department is having a runner-up to New Year's Eve on Saturday, May 6, at the Chamberlin Country Club from 10:00 until 2:00. The Southerners will play and the dance will be semi-formal...Aircraft Loads threw a really good one at John Garvin's house Saturday night, April 29, with Don Reisert and Helen Taylor, PhD, cutting all three rugs in the living room...The 16-Foot had a get-together at Gloucester Country Club Sunday, April 30...Structures had a going-away party for Merven Mandel who leaves soon for the Navy, on Saturday night, April 29, at Dave Ochiltree's. Although labelled a stag party, the computers were invited to join in at 12:00; wild shrieks scared off the few that sought entrance, however.

RICHMOND CALLING

OR YOU TOO CAN BE A PRIVATE

Trips that cannot be appropriately listed under "Vacation Rhapsodies" but that are well worthy of being recognized are the Richmond excursions for induction into the ACER. Transportation is furnished on the luxuriously equipped Virginia Creeper, which offers facilities for card playing, dice throwing, gum chewing, and all-round bull shooting. Of course ample opportunity is given all to get a thorough view of the Virginia countryside, as the locomotive will stop at the meekest request. So cooperative and helpful has the engine been that it will even stop when not requested.

After the most delightful and refreshing of trips, the eligibles disembark on dry land in Richmond and are rushed over to the Induction Center. Casualties have been remarkably low up to date - only three have been mutilated beyond recognition when trapped in a swinging door and only five have suffered abrasions, bruises, and burns while working out new basketball passes in a phone booth.

Details of extension trips to Camp Lee are unavailable at present, unfortunately, but it is hoped that personal interviews with the lucky travellers will reveal further information.



DOUGLAS AIRVIEW

"See, Paw, I tol' ya we moved too close to the dive bomber plant!"

Fourteen Employees In Theater Plays

Fourteen Laboratory employees are playing prominent parts in the acting and staging of plays by the Hampton and Newport News Little Theaters during the coming week.

The first play of the week is "Separate Rooms", a three-act comedy which will be presented by the Newport News group in the Newport News high school auditorium on Tuesday night, May 9, at 8:15. Admission is open only to members of the Little Theater and their guests.

Featured in the case are Phyllis Parker, PRT, as Linda Roberts, the "Girl Friday" of a Broadway columnist; Tiny Hutton, Personnel Services, as Scoop Davis, a high-powered press agent.

"Guest in the House", a psychological drama in three acts, will be presented by the Hampton Little Theater in the Hampton high school auditorium on Thursday and Friday, May 11 and 12, at 8:20 p.m. The play is under the direction of David M. Goldenbaum, Tank, who is well known for his long association with local theatricals.

The case includes John B. Parkinson, Tank; Marjorie Patterson, Personnel; Bob Seldon, Flight Research; Harold Levitt, East Engineering; Jack Cock, Instrument Calibration; John W. Ebert, Tank; and Annie Young, Personnel.

Douglas King, Tank, is stage manager and Ben Milwitzky, Impact Basin, is assisting him. Wilhelmina Strowd, East Engineering, is handling properties.

Save Lives—Speed Victory!

GREEN COW DANCE, MAY 19

The Noble Order of the Green Cow is sponsoring another dance Friday night, May 19, at the Hampton Armory. Music will be furnished by the Southerners. Tickets may still be obtained from members of the committee.

OFFICIAL NEWS

The Virginia State Department of Health is again making available to employees of this laboratory facilities for mass chest X-ray examinations at the low cost of 25 cents per person.

This service is offered as a form of preventive medicine, providing information which is of value to the individual in detecting incipient disorders, which if treated promptly may preserve his health.

The X-rays are taken with a 35mm photofluoroscopic unit. Cases showing disease are recommended for re-X-ray on conventional film and this additional service will be available at no additional cost to the employee.

X-ray examinations will be made May 22 to 27 inclusive.

A plan which will enable the X-ray clinic to function with minimum interruption to Laboratory work is being completed and details will be announced.

LMAL BLOOD DONOR

Herman H. Ellerbrock of Cowling and Cooling to a wife of LMAL employee at Elizabeth Buxton Hospital on April 28.



KNOX DIES: Secretary of Navy Frank Knox, who died Friday, April 28, visited LMAL Nov. 4, 1943, viewing some of the facilities here and later speaking to staff members. He is shown above (second from right) during an inspection tour of one of the wind tunnels.

USO NEWS

This week's program at the Hampton Industrial USO will begin with open house on Sunday, May 7. A bridge club meeting and girls softball practice will feature the Monday, May 8 calendar. The American Legion will meet on Tuesday night, May 9. On Wednesday, May 10 at 8 p.m. chess will be played. The movie "The Cowboy From Manhattan", will be shown on Thursday night, May 11, at 8 o'clock. Puzzles for Brain Busters and others will be on the program of Friday, May 13.

Drama And Entertainment

A committee to organize a dramatic club met at the Hampton Industrial USO Thursday evening, April 27, with Laurretta H. Muir acting assponsor. All LMAL employees who have musical, dancing, or acting ability or who are interested in lighting, costumes, directing, properties, or other backstage work are invited to join. For further information, contact Lee Lewis at 256 or call the Industrial USO at Hampton 7782. At the regular meeting of the Industrial USO Sunday, May 7, organization plans for the club will be discussed and decided.