

NADC NEWS

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HISTORY OF NADC

NADC News

Volume 1-No. 1 December, 1949

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Commander NADC

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A Message From The Commander, NADC

With this initial issue of an official NADC employees' publication to be published monthly, we are inaugurating a medium of communication which I believe will make a significant contribution to the existing good relationship between the personnel and management of the NADC and among the employees of the Center themselves. The NADC News is to be published in the interest of all civilian and military personnel and its major objective will be the promotion of the welfare, contentment, self-improvement, and efficiency of all employees. These purposes have my whole-hearted approval and support.

The NADC News is to be YOUR publication. It will be good or bad, useful or useless, enjoyable or dull as YOU make it. Several of your fellow employees have voluntarily assumed responsibility for putting out the News—but it is up to everyone of YOU to help them by supplying interesting, informative, and stimulating material or data suitable for publication.

Good luck and—good reporting!

E. W. Rounds, Captain, USN, Commander, NADC



Captain E. W. Rounds, USN, Commander, Naval Air Development Center.

Season's Greetings

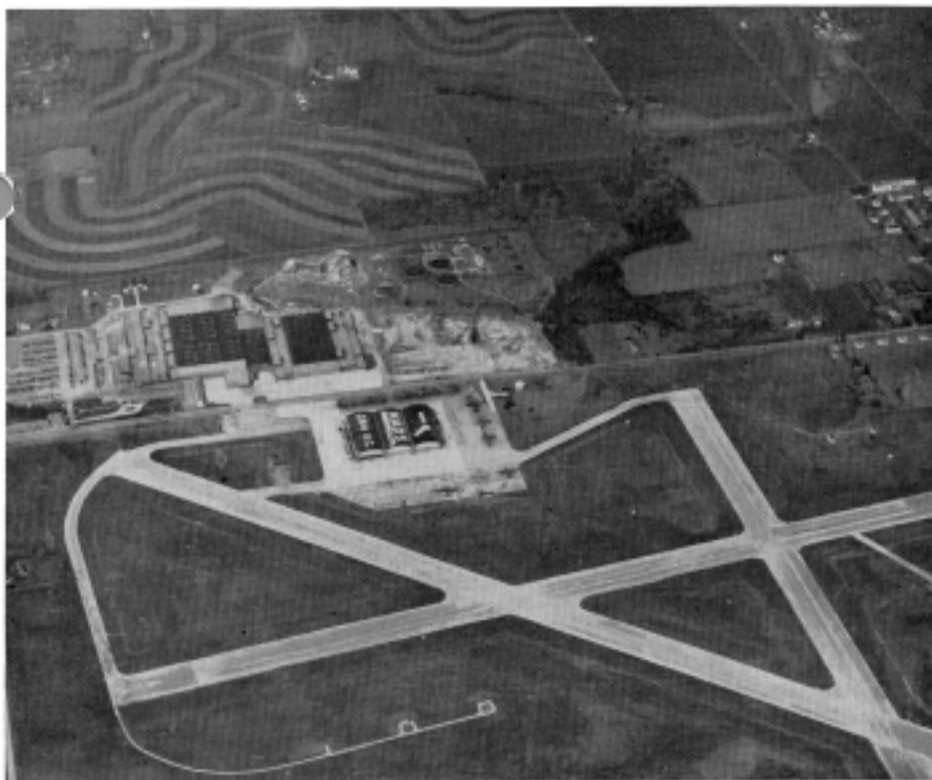
A Message From the Editorial Staff

In order to achieve the objectives set forth above by the Commander, NADC, we need material from YOU. We need unclassified information from all Laboratories and Departments of the NADC about current design, development, and test activities in progress, about past results and future schedules for recreational activities, about outside activities, programs, performances, and similar items of interest to NADC personnel. We are especially interested in publishing short articles or abstracts concerning scientific or technical developments that would be of interest to our professional personnel, particularly if they represent material written, talks presented, or any kind of an achievement by a NADC employee. We are interested in items of general information or interest and in news about the "deeds and doings" of Center personnel.

For this first issue, we have prepared and gathered material and items that we think will be of interest to YOU, the people of NADC. We'd like to know where we grabbed the brass ring and where we missed it, and we'd like to have your suggestions for format improvement, for special columns or features, or for anything else you have in mind.

Suggestions or comments may be made directly to the Editorial Staff or to your Department or Laboratory reporter. All material for publication, however, must be in writing and addressed to the Editorial Staff, NADC News, U. S. NADC, Johnsville, Pennsylvania. Names should be signed, but will not be used if so indicated.

The Editorial Staff



General view of Naval Air Development Center showing Airfield in foreground and Administration, Laboratories, and Shop Building, left center. The new AMAL Building is visible immediately to the left of the three circular sewage disposal units in upper center.

History Of NADC

Just about three hundred years ago, Richard Lovelace wrote a poem. He called it "To Althes from Prison," and you probably never even heard of it. Two lines from that forgotten masterpiece, however, have become immortal, and you certainly do recognize them:

"Stone walls do not a prison make,
Nor iron bars a cage;"

Following that line of thought, we might say that "runways do not an Air Station make, nor an Administration Building a Development Center." So . . . for the benefit of those folks who have recently come aboard, it is deemed both fitting and proper that a brief history of your plant be given in this, the first issue of the NADC News.

FROM BREWSTER TO NAMU

Once upon a time (to infringe on a Grimm copyright) there were about 370 acres of fairly level farmland in Bucks County, Pa., about midway between Philadelphia and Trenton, New Jersey. Early in the last war, the Brewster Aircraft Corporation established its facilities in this rustic haven, known as Johnsville, by the construction of three hangars with adjoining runways and, across Jacksonville Road, a modern Administration Building with attached shops covering about a million square feet.

Unfortunately for Brewster, the investment was not profitable, so that the Navy was able to take over in 1944 and

redesignate the plant as a Naval Air Modification Unit, affectionately known as "NAMU," a branch of the Naval Air Material Center. The tasks assigned to NAMU involved development of guided missiles, prototype conversion or modification of service model airplanes, and quantity conversion and modification.

With the capitulation of the "Son of Heaven," the need for such facilities vanished, and the Naval Air Material Center was about to lose a cherished member of its household.

THE NADS STORY

Effective 1 August 1947, the Acting SecNav promulgated an order to the effect that this activity was no longer NAMU, a branch office of NAMC. It was to be the United States Naval Air Development Station, an independent and self-sufficient activity, under the military and coordination control of the Commandant, Fourth Naval District, and under the management control of the Bureau of Aeronautics. The mission assigned was to perform development functions in the fields of aircraft electronics, pilotless aircraft, aviation armament, and research and development in the field of aviation medicine pertaining to the human centrifuge. Quite a big order, nicht wahr?

In order to function along those appointed lines, therefore, four laboratories and supporting functions were established. The laboratories included the Pilot-

less Aircraft Development Laboratory, the Aeronautical Electronic and Electrical Laboratory, the Aircraft Armament Laboratory, and the Aviation Medical Acceleration Laboratory. The supporting activities included such diversified units as the Administration Department, Industrial Relations Department, Security Department, Medical Department, Public Works Department, Operations Department, and Supply and Fiscal Department.

ORIGIN OF LABS

The Engineering Department of the NAMU became the nucleus of the new PADL, concentrating on pilotless aircraft development, while the NAMU Shops Department was formally disestablished on 1 April 1948 and its functions were transferred to the PADL. Subsequently, PADL operations were augmented by engineering test and evaluation facilities.

In February 1946, the idea for a laboratory to perform high-caliber research and development along specialized lines in the field of aviation armament, and to accomplish related modifications and improvement work on service armament items was first conceived by BuAer, and NAMC was directed to establish an Armament Research and Development Laboratory at NAMU. That laboratory was established in October 1946. In August 1947, coincidental with the change of NAMU to NADS, the research and modification functions were eliminated and the Armament Research and Development Laboratory was re-designated as the Aviation Armament Laboratory (AAL), concentrating on the development function.

In September 1947, the Aeronautical Radio-Radar Laboratory of NAES, NAMC, was officially transferred to Johnsville and made the nucleus of the present AEEL. This skeleton crew was eventually augmented by the transfer of the Naval Air Magnetics Laboratory from Lakehurst, N. J., the Naval Research Laboratory Field Station Group from Boston, and personnel from the Aeronautical Electrical Section of the Naval Research Laboratory.

The Aviation Medical Acceleration Laboratory (AMAL), the "baby" of the NADS laboratories, was established as an element of the NADS in May 1949, due to the need for additional requirements for increased performance in human centrifuges to provide more accurate studies of the effect of greater aircraft accelera-

(Continued page 4)



Recent Photograph of Aviation Medical Acceleration Laboratory showing construction work near completion.



View of NADC Hangars from Airfield

Cash Benefits Increased By New Compensation Act

Passage of the new Federal Employees Compensation Act of 1949, signed by President Truman on October 14, brings added relief to thousands of injured employees as well as families of employees killed in work accidents.

Most significant is the provision changing the maximum compensation rate from \$116.66 a month to \$525 a month. Scheduled awards for permanent injuries and additional amounts for employees with dependents are among the innovations in the Federal act designed to compensate more adequately for economic losses occasioned by occupational injuries and occupational diseases.

Millions of Federal employees, whether engaged in ordinary clerical work or performing extra-hazardous industrial operations for the Government, are covered by the provisions of the new Act. Additional cash benefits are expected to run into several million dollars a year.

The Act provides that in instances of permanent injury the previous requirement of a three-day waiting period be waived. A waiting period is no longer required in temporary disability cases where the disability extends more than 21 days beyond the termination of any sick or annual leave which the employee may elect to use.

Basic compensation is still to be calculated at the rate of 66 2/3%, but employees with one or more dependents are to receive an additional 8 1/3% of their monthly wage rate. This will undoubtedly result in a majority of the cases receiving 75% of the monthly salary rate during any period of disability.

Equally important is the fact that the basic rate now applies to salaries as high as \$9,450 a year, as compared to the old maximum of \$2,100 a year. In no case, however, may the monthly compensation exceed \$525 a month or \$6,300 a year. The 8 1/3% differential for a dependent in temporary disability cases applies, moreover, only to that part of monthly pay not in excess of \$420.

Death benefits under the new Act are considerably higher than under the old law. Widows are to receive a rate of 45% and each child 15% up to a maximum of \$525 a month, depending upon the salary rate of the deceased.

HISTORY OF NADC

(Continued from page 3)

tions on pilots and other flying personnel. In June 1947, the construction of a new, high performance human centrifuge was initiated here at Johnsville, and has been progressing since that time. Research and development activities relevant to the use of this facility will be the responsibility of the Aviation Medical Acceleration Laboratory. Construction of the building to house the centrifuge is approximately 85% complete.

That gives you a brief picture of the Naval Air Development Station. During the long organizational period, it functioned efficiently and provided services to the Bureau of Aeronautics that were invaluable.

NADC ESTABLISHED

By July of 1949, however, the NADS expansion reached a significant point. Transfer of activities from other parts of the country had been accomplished. Therefore, on 1 August 1949, the station was reorganized along more practical lines to make it a really streamlined activity. The new setup, designated as the United States Naval Air Development Center, includes the new Naval Air Station, Johnsville, and the Laboratory activities. The latter consists of the four laboratories previously mentioned and the NAS which is to provide material and service support for the laboratories.

Briefly, the missions of the individual laboratories are as follows:

AEEL: To design, develop, improve and test aircraft electronics and electrical systems, equipments, components, test equipment and materials, and to conduct engineering evaluation flights of experimental systems and equipments.

AAL: To correlate, develop, design, alter, construct, install, and make laboratory tests of aircraft armament systems and components for which the Bureau of Aeronautics is responsible; to conceive and develop entirely new armament systems and components; and to conceive, develop, and adapt improvements to existing equipment.

PADL: To design, develop, prototype, and make engineering evaluation of all types of pilotless aircraft, including targets, drones, control, and special aircraft conversions of piloted aircraft to pilotless aircraft for special purposes.

AMAL: To study the combined effects of various accelerations and altitudes on animals and human beings through the observation and studies derived from the use of a human centrifuge, and to perform related research and developmental work in the field of aviation medicine.

TOMORROW

When the full operating strength of the laboratories has been reached, NADC will provide the Bureau of Aeronautics with a wide range of services, as follows: Engineering Studies, Preparation of Specifications, Development of Experimental Equipment, Laboratory Testing of Experimental Equipment, Prototype or Pre-production Models, and Quality Control.

No duplication of effort will exist between the Naval Air Development Center and any other service or activity, since all programs, prior to assignment to this

Center, will have been completely coordinated by BuAer through the Research and Development Board or the Aeronautical Board.

With this analysis in mind, we hope that you are now able to see just where you fit into the picture as far as the development program is concerned. The future looks bright. Now do your part to keep it so. Keep 'em flying!

NADC Employee Stricken at Home

The entire personnel of the Aviation Armament Laboratory was stunned by the sudden and unexpected death, due to a coronary condition, of Frank Felleman, Technical Editor, on Thanksgiving Day, November 24.

Only 39 years of age, Frank had completed his second year of service with the Navy Department in September, having transferred to NADC from the NAMC in January 1949. The unexpected news left a noticeable pall on the Laboratory personnel for, during his short time with the AAL, Frank had established himself as a willing and conscientious worker.



FRANK FELLEMAN

His duties as an Associate Technical Editor in the Technical Publications Group brought him in close contact with virtually all members of the AAL. His pleasing manner and splendid personality, combined with lofty ideals and principles, endeared him to the hearts of his fellow workers.

After graduation from New Rochelle High School in New York, Frank entered Purdue University in 1928 and was graduated in 1932 with a B.S. degree in Civil Engineering. While at Purdue, Frank played on the football team and was an outstanding member of the 1929 championship squad.

Prior to his employment with the Navy Department, Frank was employed by the Kaiser-Fleetwings Corporation of Bristol, Pa., as an aeronautical engineer.

Frank is survived by his wife, Eleanor, and four small children.

Industrial Relations

The Industrial Relations Department feels that it has received an early Xmas present in this first issue of an official NADC publication. The paper is welcomed as a quick and thorough method of getting "the word" to employees.

Among the many individual responsibilities of the IRD is that of providing timely and authentic information to NADC employees on matters affecting employment, pay, classification, safety and employee services, training, efficiency ratings, etc. It is expected that the NADC News will help supply this information to you in a direct and easy manner. It will supplement and amplify the use of NADC Orders and Memoranda and NAS Memoranda.

The Civil Service Sidelights Column, to appear regularly on this page, will discuss current problems affecting groups of our employees, and explain regulations, policies or procedures.

William C. Renz
Industrial Relations Officer

The IRD Staff

In subsequent issues of the NADC News, the Industrial Relations Officer and his staff will be introduced to you individually. We expect to present some personal information about them as well as a description of the individual's part in the Industrial Relations Program.

Riders and Drivers

RIDERS WANTED

Springfield Station—Contact J. Sims—PADL—Ext. 358.

Langhorne—305 N. Bellevue Avenue—Contact Don R. Mueller—AAL—Ext. 371.

City Line and York Road—Contact Benjamin L. Singer—AEEL—Ext. 340.

Front and Olney Avenues—Contact Arthur Klapp—AAL—Ext. 396.

Sears and Roebuck, Roosevelt Blvd.—Contact L. Swartz—AAL—Ext. 379.

DRIVERS WANTED

Wister and Olney Avenue, East Germantown—for 3 persons. Contact J. Dougherty—P. W. Ext. 200.

ROOMS FOR RENT

Glenside—2nd floor furnished bedroom with adjoining sitting room close to transportation—\$10.00 per week.

Abington—Large furnished room (twin beds) with private bath—Residential Section—breakfast if desired—\$10.00 per week for one—\$15.00 per week for two.

Hatboro—Two comfortably furnished rooms for gentlemen—near transportation—\$6.00 per week.

Warminster—Large room with twin beds and private bath with private entrance—furnished—\$8.00 per week.

Famous Last Words: We were authorized to spend the \$25,000, but nobody can find the project directive!

—Elgee

Civil Service Sidelights

If you have any industrial relations questions that are of general interest to all or most employees of this Center, submit them in writing to the Editorial Staff of the NADC NEWS. They will be referred to the Industrial Relations Department which will try to get the answers for you in the NADC NEWS at the earliest practicable date.

"BUMPING RIGHTS"

Numerous questions have been raised regarding the "bumping" rights of employees at this and other naval activities in the Philadelphia area affected by a reduction in force. The Philadelphia area includes those naval activities located in Camden, N. J., Johnsville, Pa., Willow Grove, Pa., and Essington, Pa.

An employee in retention group A or sub-group B-1 who is reached for action in a reduction in force at a naval activity in the Philadelphia area may exercise "bumping" rights to another position in his own or any other naval activity within the Philadelphia commuting area provided:

1. the group A or sub-group B-1 employee is qualified for the other position;
2. the position is expected to continue for three months or more;
3. the position is held by an employee in a lower retention sub-group;
4. the group A or sub-group B-1 employee is willing to accept a reasonable offer of reassignment or transfer.

In addition to the bumping rights within the Philadelphia area, retention group A employees with five or more years service have the right to "bump" war service and temporary indefinite employees in any other naval activity outside the Philadelphia area provided the same conditions outlined above are met.

Under no circumstances can an employee from any other naval activity "bump" an employee of NADC who is in the same retention sub-group. That is, an A-1 Machinist affected by RIF at the Philadelphia Naval Shipyard cannot

bump an A-1 Machinist at this activity regardless of retention credits of either employee.

"RETREAT RIGHTS"

Some retention sub-group A-1 and A-2 employees affected by reduction in force have additional placement rights within their own agency beyond the bumping rights mentioned above. These rights are referred to as "retreat" rights.

In the event an A-1 or A-2 employee cannot be placed under the general placement provisions above, he may not be separated if there is a position in the competitive service in the employing activity:

1. for which he qualified;
2. which is the same as a position from which he previously had been promoted;
3. if such position is held by an employee in the same retention sub-group who has fewer retention credits;
4. and such reassignment does not require a promotion.

It should be remembered, however, that placement by "retreat" is restricted to positions, if any, which are the same as positions formerly occupied anywhere in the Federal civilian service and through which the employee was promoted up to his present level of position. A position is the same as a position from which the employee was promoted if it is the same position, an additional identical position, or one with the same current duties and responsibilities in connection with a similar work program as the position through which promoted.

The "retreat" procedure does not permit promotions to a higher position than that currently held even though the employee formerly held a higher position, nor does it give the employee the right to a position below the lowest level of position formerly held, nor to intervening levels in the same line of work which the employee occupied, except those skipped in a double or multiple grade promotion in a direct line of work.

Results of Combined Charities Campaign

Laboratory or Department	Quota	Received
AEEL	\$ 2,918	\$1,968.34
AAL	1,745	845.25
PADL	3,237	1,721.89
AMAL	63	63.00
Operations	1,242	408.80
Supply & Fiscal	813	503.65
Public Works	1,510	649.91
Administration	547	552.70
Security	174	99.00
Ind. Rel.	137	116.50
Medical	42	28.00
Cafeteria	31.00
Cafeteria Board	100.00
	12,428	\$7,028.04



Captain E. W. Rounds, Commander, NADC, presenting a check for \$55.00 to Franklin E. Conrad, PADL, for his Beneficial Suggestion on Electric Wire and Supernat Tubing Cutter.

The Other Side Of The Counter

Approximately half the personnel of the NADC use the Center Cafeteria daily, but few of them give much thought to the operation or maintenance of the establishment. A few notes on the method of management, as well as some information on the disposition of funds, might be of general interest.

Under the general direction of the Cafeteria Board, a group of NADC employees appointed with the approval of the Commander, NADC, the Cafeteria is operated as a non-profit, self-sustaining enterprise. A manager is employed at an annual salary and it is his job to operate the Cafeteria on a business basis. Only top quality foods are purchased and these are prepared and served at lower prices in relation to the size of the portion than those of profit-making industrial cafeterias. The Cafeteria is operated at cost, so that its daily cash income from food sales at breakfast, break periods, and lunch is consumed by expenditures for food, labor, and utilities, leaving no balance available for capital improvements or for repair and maintenance of existing equipment.

Income is also derived from sales through the automatic candy, cookie, and "coke" vending machines spotted throughout the Center, and from cigarette and tobacco sales made at the booth out-

side the Cafeteria. It is the profit from this source of income, designated as the "Canteen Fund" which provides money for capital improvements such as the new \$1,100 "walk-in" refrigerator recently installed and the new dish-washing machine which will soon be in operation. Other Cafeteria improvements planned, which will be paid for from the Canteen Fund, include a new tile floor, an instant hot-water heater, and a water-softener. Furthermore, much of the present equipment was manufactured and installed during wartime and repairs and replacements are frequently necessary. The Canteen Fund also provides for this type of expenditure. In addition, the NADC Welfare and Recreation Program, including expenditures to be made for the printing and publishing of the NADC News, is completely financed from the Canteen Fund.

During the week of 19 December, the cafeteria will hold a Christmas Dinner party for about 150 children from a local Bucks County orphanage. This will include a turkey dinner with all the trimmings, and presents for the youngsters. The Cafeteria Board is also planning a special Christmas dinner for NADC employees. You who remember the Thanksgiving dinner will certainly crowd the "chow-hall" for this festive event. The price will be nominal.

Lodge No. 1024 needs you as a member. But more important is the fact that you, as a government employee, need the Federation to secure adequate legislation to aid you in your job. Watch carefully each issue of the NADC NEWS in the future. If you desire any further information contact the officers through the Industrial Relations Department.

George D. Greenly, President,
Johnsville Lodge No. 1024.

Padl - Twadl

Sarah Milland (Industrial Engineering) just let another year slip through her fingers, but it was worth it. Her pals gave her a beautiful silk—uh—well, it was lovely! Happy Birthday, Sarah!

Bill (Confucius) Shepard (Airframe Section) broke a long silence the other day. He says, "One peek in fuselage worth five hundred drawing!"

That big beam in the Power Distribution Section—er, we mean the smile on Charlie Farr's face—stems from the fact that Charlie's fate was sealed just before we went to press. Yep, by the time you read this, somebody will be Mrs. Farr!

We hear that the Chief Coordinator of Corbett Manor is back on the job, and that Gene Corbett's (Aeromechanics Section) Mrs. is doing nicely.

Lament:

Johnny McMoan
Has shed his load.
He didn't pull up
On reaching Street Road.

—Elgee

Contest For Name And Masthead Design

This is YOUR magazine and the Editorial Staff wants YOUR suggestions for an appropriate name and masthead design.

In cooperation with the Beneficial Suggestion Committee, a cash award will be given for the most appropriate name, and masthead design.

The title and masthead of the magazine is the key to its personality. Make it catchy and original, and pick a name that looks good in print. We want the name to be typical of the publication. The title should be businesslike for this type of magazine so avoid "screwball" titles. But don't get too far-fetched. Reject long complicated names that are hard to spell. Also, keep in mind how the name will look on the masthead.

Since it sets the tone of the magazine, the masthead deserves special care in designing.

CONTEST RULES

1. All suggestions must be written or drawn on the regular Beneficial Suggestion Blanks and forwarded to the Employee Services Section, Industrial Relations Department.

2. All entries will be time-date stamped when received and must be forwarded to the Industrial Relations Department not later than January 31, 1950.

Read the magazine carefully from cover to cover. Study the pictures, the features, the stories that are carried. Get the "feel" of it.

The more you familiarize yourself with the magazine, the easier it will be for you to suggest a suitable name or a winning design.

Remember, this is going to be your publication published from funds of your Recreation and Welfare Association. The stories about you will be written by your fellow employees, so get aboard and send in your suggestions now.

Season's Greetings

The Board of Directors and their Committees of the Recreation and Welfare Association wish to take this opportunity, on this first issue of the NADC NEWS to extend their heartiest wishes for a Merry Christmas and a Happy and Safe New Year.

This is your Association and should with your constructive criticism and cooperation, make possible many happy hours through social activities and athletics. The recent loss of one of our employees was the means of showing to me the most wonderful picture in the world, a picture that showed sympathy, kindness, a willingness to help and a deep understanding of the other man's problems. With this picture in my mind, I know that many things can be accomplished with this kind of membership. So again, to all of you, the Season's Greetings.

Joseph A. Knox, Sr., President,
NADC Recreation and Welfare Assoc.

American Federation of Government Employees

The Officers and Members of Lodge No. 1024, American Federation of Government Employees extend to the NADC NEWS their congratulations to all those responsible for the initiation of this worthy endeavor to better personnel relations.

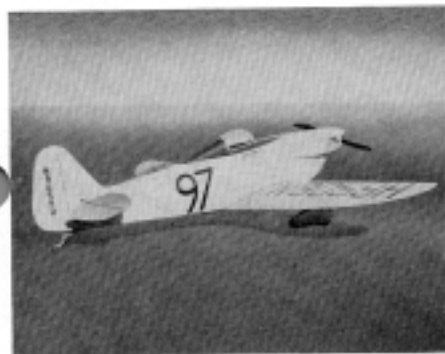
Since this Lodge was organized upon our station, its members have been constantly informed about all legislation which affects their jobs as Federal workers. This is possible because of weekly reports each member receives, in the form of a newspaper, direct from Washington, D. C.

The Federation is comprised of lodges located in almost every government agency in the United States and its possessions, and in turn is affiliated with the American Federation of Labor. It is an organization fully recognized by the Commander of our station, as fulfilling all government requirements of loyalty and service; an organization to which all government employees are eligible for membership without fear of reprisal.

The Federation has set an impressive record of past legislative achievement. Most of the advantages you now enjoy and take for granted were partially secured by its efforts.

Our own Lodge, "Johnsville No. 1024," welcomes the advent of the NADC NEWS as a means of keeping all of the station personnel informed of our activities.

In January of 1950 we intend to conduct an extensive membership campaign.



The "DDT" Story

She's a trim little craft, she is—all 550 pounds and all 16 feet of her. And even though she spans 18 feet, 10 inches, she's no Miss Five-by-Five. Nosirree! Some day soon that 85 hp Continental's gonna zing her around a red and yellow pylon so fast that the little old "DDT" will sure enough spell poison to the record for her class!

What are we talking about? Why, we're going rhapsodic about our own Nick D'Apuzzo's (PADL Engineering Division) midget racing airplane! Yep, we mean the one that won him and his partners \$450 at the Cleveland National Air Races last Labor Day weekend and—eh? Begin at the beginning? All right, all right, we will!

It all began early in 1947 when a pal of Nick's, George Townson, introduced him to one Bart Denight, an amateur pilot who had been bitten by the airplane racing bug and who wanted a racing plane. Nick had always wanted to design one, Bart had the necessary coin of the realm, and George was a crack mechanic, so Messrs. D'Apuzzo, Denight, and Townson decided to collaborate.

Construction of the D. D. and T dream craft began in March, 1947. Five months later, the "DDT" was put through her first test flight. She flew fast, handled well, and the boys were all primed to enter her in the Cleveland National Air Races the following September. But, alackaday, the DDT, after twelve splendid take-offs and landings, locked a brake on the slow-down for her 15th landing, ground-looped, and broke her prop and landing-gear leg. The mishap, occurring only one week before Labor Day, kept the DDT out of the 1947 Goodyear competition.

The following summer, however, the DDT participated in the Lancaster, Pennsylvania, Airport Dedication demonstrations, winning \$100. Then, in the 1948 Cleveland races, she won a third prize in the semi-finals, coming home with that \$450 we've already mentioned. On September 25th last, the DDT won a fourth spot in the Rebat Midget Airplane Trophy Race at the Reading, Pennsylvania, Airport, bringing home the bacon to the tune of \$100.

Nick says that the DDT is really an ex-officio PADL project. In designing his little, yellow, streamlined beauty, Nick consulted with various PADL Branch and Division Heads, and received a number of valuable ideas from his associates in the PADL Engineering Divi-

sion. Hal Kaufman provided aerodynamic advice, Bill Raber and Fred Gloeckler made with the stress analysis, Frank Kieser, Bill Shepard, and Ron Ronzetti furnished installation and structures pointers. The DDT insignia was designed and painted on the craft by Paul Karnow, and two PADL shop men, Bruno Nonini and Harry Almond, made the engine cowling.

That's the DDT story. But it's only the beginning, folks, only the beginning! Nick and his partners are presently grooming the DDT for the January, 1950 All-American Air Maneuvers at Miami, Florida. They hope to romp home with a trophy, trailing a stream of the long green. Also, the boys plan to build a complete new aircraft to er—"take over" the 1950 Cleveland competition next Labor Day.

Carry, on Nick! Come January and next September, we'll be rootin' for yuh, pardner!

Safety Saga:

Harry Filrp
Made a 4:30 dash.
His widow is spending
Harry's cash.

—Elgee

Fire Destroys Home Of NADC Employee

Fire, early in the morning of 27 Nov. destroyed the home of L. Dean Noble, AAL, in Ottsville, Bucks Co. The fire, apparently caused by a defective furnace, destroyed all of the family's furniture, wardrobe, and personal possessions. Dean suffered minor burns about the hands and feet while escorting his family to safety. Two hours after requesting assistance from the Employee Services Section of the Industrial Relations Department, Dean had secured a furnished apartment for his family.

Lost: One pair of tonsils by Jane Winfield (Aerodynamics Section). Jane says positively no reward is being offered. Glad you're back, Jane!

Help Wanted: Someone to help Nick D'Apuzzo (Airframe Section) spend his raise from the new pay scale—seven cents a day.

Helen Hoffman is happily homing in her new house—and she's anything but a MAD capsule! Good luck in your new home, Helen!

CAN'T MAKE IT THIS YEAR



GOT A LITTLE CARELESS

A MERRY (?) CHRISTMAS
AND A
HAPPY AND SAFE NEW YEAR



Wednesday night Mixed Bowling League in action. Reading from left at the foul line are Carol Dando, Fiscal; Betty Morris, Peg Humphrey and Jeanne Freed, AEEL. Among those in the background may be seen Les Giantz, John Drenchko, AEEL; Dick Hession and Nick Murphy, Fiscal; Bob Swartz, Evelyn Hasby, Bob Goodwin, Mary Freed, Celia Moskovitz, Ed Keith and Ross Mullen, AEEL.

NADC Bowling League

The NADC Bowling League opened the 1949-50 season the first week in Sept. at the Hatboro Bowling Alleys. The season will continue until the second week of April 1950.

Approximately 175 men and women from almost every department, section and shop of each of the laboratories and the NAS, Johnsville, comprise the twenty-eight teams entered in the leagues this year. This is an eight-team increase in the size of last year's bowling league. Because of the number of teams entered and the limited alley facilities, it was necessary to divide the league into three sections: ten teams bowl on Monday night, 7 to 9; eight teams bowl Wednesday night, 5 to 7; and ten teams bowl Wednesday night, 7 to 9. These sections are known as the Monday Night Section, the Mixed Section, and the Wednesday Night Section, respectively. It is intended that roll-offs be held at the end of the season among the winning teams of each section for the station championship.

The league officers for the 1949-50 season are Mel Yeagle, President; Frank Parke, Secretary; and Bert Hickman, Treasurer. The Board of Directors is as follows: L. Cheeseman—Ex-President, Elwyne Mulhern, Charles Zayas, James Burns, Maureen McClusky. All have done an excellent job in organizing the league this year, setting up the by-laws and schedules, compiling the statistics and providing numerous other necessities that are required for a successful and enjoyable season.

The leagues' prime purpose is to promote good fellowship and sportsmanship among the bowlers. Each game is bowled on a handicap basis, which tends to give all the teams an equal chance to win, regardless of the bowling ability of its members. Each bowler has a personal goal, trying to improve his or her average. The individual averages are determined by the scores of the previous

games. These averages are computed each week by the league secretary and are the basis of determining the team handicap when competing against an opposing team.

STANDINGS AS OF DEC. 9, 1949

NADC Monday Men's League

Team	W	L
Magnetics	34	14
Rockets	32	16
Jets	31	17
Electrical	26	22
Design	25	23
Fiscalcons	23	25
Electronics	21	27
Raplers	18	30
Sailors	17	31
Transportation	13	35

NADC Wednesday Mixed League

Team	W	L
Neutrons	24	11
Cyclotrons	22	10
Padlers	20	18
Accounting	19	16
Winners	17	21
Sonars	17	21
IRD	16	22
Sabes	11	27

NADC Wednesday Men's League

Team	W	L
AAL Fabrication	36	12
Question Marks	32	16
Spoilers	32	16
Tech. Publications	30	18
AAL Engineers	25	23
AAL Physical Lab.	22	26
Power Racks	22	26
AEEL Quality Control	19	29
Outlaws	13	35
Drones	9	39

NADC Basketball

Under the excellent coaching of Clark Johnson, of AAL, the NADC team has shown considerable improvement in its play in the U. S. Government League. At press time, the Center representative had won three while losing four games, but this is not a true indication of the caliber of play exhibited by our boys. In their first seven games, they had averaged 49 points per game, which is a creditable display of accuracy in baskethawking.

Notable in their efforts to put NADC on the sports map, several of the team should be mentioned. Among them, for example, are Jack Sherman (PADL) high scorer with an average of twelve points per game; Smithy (AAL) whose uncanny shooting during the Internal Revenue game contributed in a large measure to the victory; Connell (AAL), who outjumped a 6-foot, two-inch NASD guard, despite his relatively short stature; O'Connell (Marine), Cheresnowski (Marine) and Jackson (Navy), who arrived at half time during the Internal Revenue game after playing a full game at Willow Grove, then tied up the game, altho we were nine points behind when they came in; the beautiful assists of Jack Carroll (AAL); the accurate left-hand shooting of Simendinger (AEEL); the backboard play of Covert (PADL), Null (AAL), and Wilski (PADL), who act as if they owned the ball in that area; the excellent "set" shooting of Wines (Marines); and the terrific guarding of Woodward (PADL).

With a team like that, how about coming out and rooting for the boys? Check the schedule and plan on getting out to most of the games.



Action under the boards for possession of ball in game between NADC and Frankford Arsenal. NADC players in dark jerseys are Null and Wilski. Frankford Arsenal players in light jerseys are Watson and Barber.