

Rocketeer

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 UNITED STATES NAVAL ORDNANCE TEST STATION
 CAPTAIN F. L. ASHWORTH, UNITED STATES NAVY
 Commander

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John H. Wilson

John Wilson Article In Chicago Tribune

John H. Wilson, head of the editorial branch in the Publishing Division of Technical Information Department has had an article published in the June 17 issue of the Chicago Tribune. The article, titled "Physicist with a Fiddle," was based on facts compiled by Wilson on Dr. Albert A. Michelson's biography. The Station's main laboratory is named after this famous scientist.

History of science has been one of Wilson's main interests since he graduated from Bowling Green University in Ohio where he majored in mathematics, physics and English. He has written numerous technical and scientific articles that have been published in Chemical and Engineering News, Journal of Engineering News, Journal of Engineering Education, Industrial Laboratories, Journalism Quarterly, Supervisor, and Technical Writing.

Probing into the many-sided genius of Michelson has led Wilson to numerous cities over the nation. Wilson discovered an amazing feature about Michelson in that, although he received many honors and studied in German and French universities, he had never earned a degree from any college or university. He would probably be refused a job today in Michelson laboratory, which was named after him for his many accomplishments in physics.

The Chicago Tribune profile revealed that "Michelson was born in Strelno, Germany, on December 19, 1852. When two years old, Michelson was brought to this country and raised at Murphy's Camp, in California gold country, and in Virginia City of Comstock Lode fame. He attended school in San Francisco."

Other Wilson findings of great interest about the life of Dr. Michelson include: "In his pursuit of science and of everything he did, Michelson was guided by the imagination and esthetic enjoyment of an artist. He was a competent amateur violinist and a gifted water-colorist."

NOTS Leave Policy Questions Clarified

Numerous inquiries have been received by the Employee-Management Relations Division, Personnel Department, about the Station's "Leave Policy." Also, telephone calls have been received by ROCKETEER staff members asking for information contained in ROCKETEER articles on "Leave Policy." In answer to these requests, the following information is given.

Present leave policy of the Station is to "credit" to an employee at the beginning of the year the total amount of leave that would be earned during the year. This is done by advancing leave that has not yet accrued or been earned.

This "credit" of leave in no way relieves supervisors of their responsibilities in administering proper usage of this advance leave. Department of the Navy policy governing the use of annual leave is that supervisors must accept responsibility for ascertaining the employee's right to annual leave. In other words, does the employee have sufficient leave on the books to cover the amount of leave requested?

If an employee requests leave in excess of that which has been "credited" to him, such excess leave can be granted. Requests for this excess leave must be handled the same way as "Leave Without Pay" and requires approval by the department head. Supervisors cannot grant such leave.

Employees can "administratively" be placed in a "Non-Pay Status" in accordance with Navy regulations. Advice on this and other leave questions can be obtained by supervisors from the appropriate Personnel Service Team in the Personnel Department.

Employees may not take annual leave without first making sure that it has the approval of their supervisor. Just telling your supervisor that you wish to take so much leave at a certain time, does not mean that such leave is granted, and may be taken. Employees who take leave without prior request and approval, place themselves in danger of being in an "Absent Without Leave" status. This could later result in a disciplinary action and dismissal.

Job Opportunities

Supervisory General Engineer (Electrical and Mechanical), GS-12. Public Works Department, Location, Pasadena Annex. Call Fred Dille, Ext. 72218.

Supervisory Housing Manager, GS-9. Department of Community Affairs. Assistant to Head, Housing Division. Call Mrs. Auchterlonie, Ext. 71577.

See 'Detective Story' at the Station theatre tonight.

Coming AND Going

New Employees:

Research—Robert B. Milam, Kenneth A. Ross, Richard M. Gillette, Jack Pakulak Jr., Wilbert H. Urry, Charles J. Mullin.

Public Works — George Miller, Clifford T. Johnson, Patricia L. Coleman.

Test—Donald J. Burcher II, Kenneth R. Brewer, Frank V. Breitenstein, Virgil O. Sires, Roy Bergh Leipnik, David L. Ramsay, Ernest J. Gosselin, James L. Fozard, John P. Saitz, Wendell Bernard, William P. Ceaglio, John R. Holdsworth.

Propellants & Explosives — Eugene V. Richison, George T. Greeman, Jimmie R. Moseley Jr., Victor S. Henderson, John R. Lienhard, Chrissie A. Hall.

Engineering — Alexander J. Kowalsky, Laurus W. Lehwalder, James K. Jackson.

Rocket Development — Edouard E. LaFleur Jr., Ben W. Holder, Robert D. Coleman, William C. Fitzgerald, John E. Bush, Adrien J. Aitken, John E. Coleman.

Aviation Ordnance — Carl E. Burkey Jr., Richmond A. Lewis Jr., John R. Green, Judith A. Devalon, Joseph T. Blossom, Dennis K. Burge, Albert J. Jaske, Allen C. Remell, Henry J. Wong, Donald S. Siefert, John L. Bennett, Roy G. Lee.

Community Affairs — Charles C. Kroeger.

Command Administration — Gerald E. Holton, Mary K. Miller.

Supply—Nancy E. Reagan, Dorothy Treguboff, Janet Waldron.

Central Staff—Lucie J. Endreson.

Terminations:

Engineering — Homer O. Leslie (LWOP), Harry B. Bearman (LWOP).

Propellants & Explosives — David P. Rogers, Elsie Santangelo (LWOP).
 Central Staff — Marilyn McCormick, Olive McNeill, Sue C. Barnes.

Research—Marcelaine L. Waklug, June Bell.

Aviation Ordnance — Carrie S. Moore.

Test—William P. Ceaglio, Ralph Greenspan, Beatrice I. Moore, Bruce W. Dorsch, Mary T. Patterson.

Command Administration — Alice Kirwan.

Supply—Donald W. Schon.

Rocket Development — Nicholas Matusewicz, aomi Van Meter (LWOP).
 Public Works — Delmon D. Dillingham.

See 'Detective Story' at the Station theatre tonight.

June Honoree



Albert Baca, AE2, has been selected as "Bluejacket of the Month" at the Naval Air Facility for the month of June. Baca was born in Holbrook, Arizona, where his mother and father still reside.

Baca entered the service June 12, 1947, receiving his initial training at San Diego. He wears the United Nations ribbon, the Korean ribbon with 2 stars, and the Air Medal.

He is assigned to the NAF Fighter Line, serving as a flight line electrician.

His selection as "Bluejacket-of-the-Month" resulted from outstanding performance of duty.

Photographs Of the Week

\$90,000 Golf Course Opens Tomorrow



MAKING PLANS FOR GOLF COURSE GRAND OPENING are (l. to r.) Lcdr. J. T. Waldron, recreation officer; Paul Someson, golf professional; Cdr. John Hardy, experimental officer; Hank Wedaa, committee member, and Jim Gallien, committee member.

AOD Personnel Receive Pins and O Ratings



O RATINGS are awarded to personnel of Aviation Ordnance Department. Shown above, front row (l. to r.) are: Joseph Hibbs; Joseph Wojceki; Russ Hightower. Second Row (l. to r.) are: Jene Harris; Donald Stewart; Earl Hart; Elva Kidwell; and Charles Smith. Back row (l. to r.) are: Dr. N. E. Ward, Department Head, presented the awards; William Munns; Robert Green; George Wright; George Jennings; and Dr. Walter LaBerge.



5-YEAR SERVICE PINS are presented to personnel of Aviation Ordnance Department. Shown above, front row (l. to r.) are: Neil Adams; Everett Burtnett; Frank Campbell; Charles Cook; Robert Cronhardt; Douglas De-yoe; and Barney Earle. Second row (l. to r.) are: Billy Gifford; Russell Huse; Francis Horton; Robert Hummer; Thelma Kidwell; and Jesse Lamar. Back row (l. to r.) are: Robert Meade; Louise Mitchell; Jesse Moss; Jim McLane; Robert Olsen; Bill Roney; and Rosalie Weir.

An Editorial . . .

This is vacation time—time for relaxation and diversion—time for a well earned rest after a strenuous year or half year's work—a time to forget daily routine and enjoy yourself for a week or two.

Enjoy yourself on your vacation but don't get carried away by the fun and excitement and kill yourself in the process. Don't come back sick or injured—or dead.

On the job we exercise reasonable care to stay safe, but on a vacation we face unaccustomed exposures. We therefore must be doubly cautious.

Remember:

Relaxation after strenuous activity is good, but let's not get burned up because we fail to douse our cigarette before taking that nap.

Sun-tanning is healthful if we get it gradually and don't try to look like a broiled lobster our first day on the beach.

Swimming is one of our most perfect forms of exercise, but we know better than to try it too soon after eating, or alone in strange waters.

Rocking the boat is fun, we admit, but it can have disastrous effects.

As we reach middle age, we must heed the sound advice to avoid over-straining the heart.

Drive carefully. Remember that courtesy will never kill anyone and it could save your's and other's lives.

Happy vacation to you. And it will be a *happier* one if "safety" is your traveling companion—going and coming.

Company Surveys Area For Natural Gas Line

A survey party from the Pacific Gas and Electric Company visited the Station recently for the purpose of determining a feasible route for a possible natural gas line sometime in the future, Captain G. H. Carrithers, Public Works Officer, stated.

This survey does not indicate any immediate action toward construction of such a line, Capt. Carrithers said.

Carelessness Kills Tomorrow's Trees



Superintendent's Notes

By DR. EARL MURRAY, Superintendent of China Lake Schools

The Kern County Union High School District has applied for funds under the present law, which expires June 30, 1956, to construct facilities for high school students. This present application is limited to the increase in the number of Federally connected students during the last two years, namely 107 students.

The amount of the entitlement under the present formula is approximately \$1200 per student or about \$128,000.

Should the newly proposed amendment be passed by Congress along with the extension of the law for two years, all of the students of the Burroughs High School "shall be deemed to be without school facilities at the close of the regular school year 1957-58." It is this new law which prompted our Congressman to assert that approximately \$800,000 would become available to the High School District for building purposes.

This sum is less than half of what is needed for a new high school. While it is possible that another small amount may be obtained from the Federal Government under another section of the law, it is clear that the High School District will need to allocate a million or more dollars of its own funds in order to complete the construction of a new Burroughs High School Plant.

Three immediate problems arise: 1. The securing of the property upon which the new high school will be placed. This will be a site upon which the school district, the Navy, and the School Planning Division of the California State Department of Education can agree. After the site is agreed upon, arrangements for the "control" of the site by the district must be agreed upon which are acceptable to the district, the Navy, and the Kern County Counsel. The agreement must be such that the County Counsel will permit the expenditure of district funds.

2. The date of securing the \$800,000 from the Federal Government by the district is unknown at this time. A large part of it may be available soon after the application is approved, which can scarcely be prior to the late fall months of 1956, but it is improbable that all of it will become available until the late fall months of 1958.

3. All of the money receivable from bonds voted by the Kern County Union High School District are collected for other construction within the district. It appears, therefore, that the district must vote an additional bond issue before the Burroughs High School could be completed. This could scarcely be done prior to 1958. A small amount of money might be available from the current tax rate, but it is not probable that sufficient funds should be raised by this method.

It therefore seems highly improbable that the new high school will be available prior to the fall of 1959.

During the interim, all the schools of China Lake will be over crowded.



A. T. Camp Returns; Heads P&E Division

Albert T. Camp, who left NOTS a year ago to study on a Sloan Fellowship at the Massachusetts Institute of Technology, has returned to the Station as head of the Propellants Division, Propellants and Explosives Department.

While at M.I.T., Mr. Camp earned his M.S. degree in Industrial Management, concentrating on the fundamentals of economics, management, human relations, and finance.

Camp was one of 29 recipients of the Sloan Fellowship award which is given to young American executives by the M.I.T. School of Industrial Management.

Before leaving the Station in May 1955 to take advantage of the Fellowship, Camp had been at NOTS since December 1950. Previous to this he received his Bachelor's degree from Yale University and was employed at the Hercules Powder Co. as a research chemist immediately after graduation. He followed that with work in safety and production engineering.

For seven years before his arrival at NOTS in 1950, Camp was a rocket propellant engineer at the Hercules plant in Kenil, New Jersey, and at the Allegany Ballistics Laboratory in Cumberland, Maryland.

Superior Achievement Award Given in P&E



CECIL J. HUNTER SR., (left) Safety Inspector in Propellants and Explosives Department, receives a certificate and check for \$200 from Cdr. W. B. Robertson, acting head of the department. The award is based on the efficiency of Hunter's performance while substituting as head of the safety group when his supervisor was on sick leave for over a year.

Announce Tentative Hi School Schedule, College Night Classes for Fall Semester

Announcing the tentative scheduling of 25 Bakersfield College evening classes and 20 evening high school classes in the Adult Education Program for the fall semester of 1956, W. J. Shortt, director, stated there was a student-class enrollment of more than 2,200.

Pre-registration for the 1956 program will be conducted at the Burroughs School Library August 27-28-29-30 and further details of the program will be published in the ROCKETEER. This pre-registration is very important, Mr. Shortt stated, since it determines which classes will be given.

Special classes scheduled for next fall include a teachers' course METHODS IN ADULT EDUCATION 185 AB, offered through UCLA extension with two hours credit at a course fee of \$6; a class in woodshop will feature a short period of basic training in the use of hand and power tools and also individual projects; a new course in Astronomy I, which will include a study of the facts, principles and theories of the structure of the universe as well as modern interpretations of the same; and a course in JOURNALISM 10-A which will offer two college credits.

Adult Education Program
Directed by the Adult Education Department of the Kern County Union High School and Junior College District, the Burroughs Adult Education program opened at the Station in November, 1945, with Robert K. Wegner as principal. Eleven classes at the high school level were given. Among the ten teachers employed was Earl Murray, now superintendent of schools of the China Lake Elementary School District. Classes were held for a period of

six months and the average daily attendance was 14. During the next year the average attendance jumped to 50 with 15 classes being given on the high school level. By 1950, this average attendance had doubled. Enrollment reached its peak in 1953 at 145 and has been slightly less for the past three years.

In September, 1949, the school was changed officially to the Burroughs Evening High School with Earl Cain as principal and, under his direction, it grew rapidly. In February, 1953, Mr. Cain resigned and his place was taken by Mr. Shortt, the present principal.

In the spring of 1950, Bakersfield College offered the first courses at China Lake. The program has grown rapidly, six years later offering a total of 49 classes rather than the small total of 3 the first year. Students are allowed to carry up to 9 units and some have completed work for the Associate of Arts Degrees in local classrooms.

Mr. Shortt, who serves as coordinator of Bakersfield College classes as well as principal of the evening schools, was formerly an instructor of science at Burroughs High School where he was a member of the faculty from 1946 to February, 1953.

Enrollment for 1955-56
Breakdown of class enrollments for the academic year 1955-56 shows that in the total of 27 classes offered in the evening high school, some 800 students attended per semester. Of this number, 175 were candidates for high school diplomas and 25 received diplomas this spring.

In the college classes there was a total registration of 1,448 students in 49 classes. From this group, 5 received Associate of Arts Degrees at the close of the spring semester.

Morris Dam Divers Volunteer For Hazardous Search Mission

CH. Cooper, Los Angeles Times staff photographer, made these photographs of the divers at Morris Dam on a routine day.

Diving for the Navy is never humdrum. But sometimes it is less hectic than off-duty volunteer work, as the recent weekend when McCafferty and Fenton took part in the 23-day search for that "missing fisherman."

Descending 500-foot cliffs on vertical ladders, and plunging, overheated, into just-above-freezing water, McCafferty and Fenton searched the bottom of the brush-choked creek where it could not be seen from above water.



Chief Boatswain David J. McCafferty heads the Morris Dam team of divers.



Chief Gunner's Mate James J. Fenton prepares for dive by lacing on weighted boots.



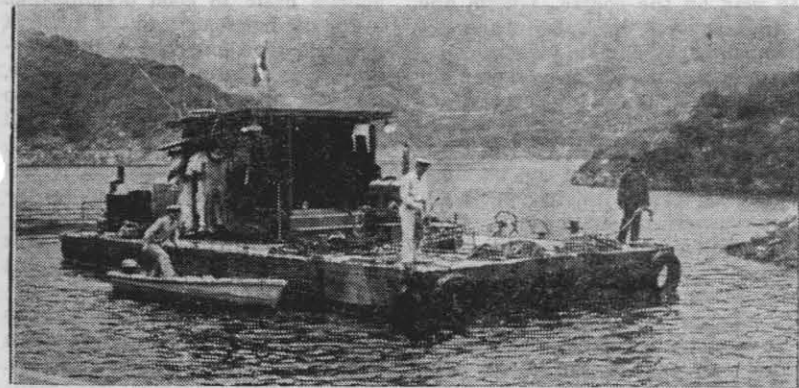
Chief Gunner's Mate George McCullough adjusts Fenton's helmet before dive.



Chief Boatswain's Mate Larry Rodrigues warms up with coffee after Frogman dive.



Rodrigues and Fenton present contrast between two kinds of diving equipment.



DIVING BARGE is brought to docks by crew. This barge is headquarters, radio room, dressing room, office, and sometimes mess hall for the divers. Jose M. Martinez, Boatswain's Mate 2nd, and Nunzio S. Fileccia, Hospitalman 1st, complete the Morris Dam diving team.

News from Pasadena

Twenty-Two June Promotions Granted To NOTS Annexites

June promotions in the Supply Department include Alexander H. Cox, Contract Specialist, GS-9; Sally P. Kessler, Property and Supply Clerk, GS-3; Clinton V. Weaver, Supervisory Contract Specialist, GS-10; Kathleen M. Strapp, Purchasing Agent, GS-5; and Carl A. Kuhn, Production Specialist (General), GS-9.

In Engineer, Robert E. Crescenti was promoted to Supervisory Ordnance Engineer, GS-12; Matt Pearson, Tool and Gage Designer, GS-9; Earl P. Myers, Production Analyst (General), GS-10; Hubert E. Willis, Preservation Packing Specialist, GS-11; Isabel J. Owen, Engineering Draftsman (Mechanical), GS-7; Mervin E. Coleson, Ordnance Inspector (3rd step), and Frank P. O'Rourke, Tool and Gage Designer, GS-9.

Lorraine R. Shavoni was promoted to Editorial Clerk (General), GS-5, in P0102.

In the Underwater Ordnance Department, Jo Ann F. Gorz was promoted to Administrative Assistant, GS-5, and Doris C. Sells to Clerk Stenographer, GS-3, in the Planning and Administrative Division.

In Development Division (EX-2), Morton O. Heinrich was promoted to Supervisory General Engineer, GS-13, Myron W. Bregman to General Engineer, GS-12; Harold Schneider to Supervisory General Engineer, GS-13; and Robert G. Austad to Supervisory General Engineer, GS-12.

Jack A. Livezey was promoted to Engineering Aid (Electronics), GS-5, in the Guidance and Control Division.

In the Research Division, Mary Yamagata was promoted to Secretary (Stenography), GS-4, and Coleman A. Reisman to Power Plant Engineer, GS-11.

Ed Gallagher, Oldtimer Here, Retires at 84



Edward C. Gallagher

Retiring next week, at the age of 84, Edward C. Gallagher will end a connection with NOTS Pasadena which began before he became a federal employee in 1948.

Mr. Gallagher, a snapper painter in the Public Works Department, was employed by Caltech rocket project in 1942 and he has watched, and helped, the Foothill plant grow from its early days. He worked for a construction company on the building at 1030 Green Street, and at Thompson Laboratory felt at home because he had worked there, too, while it was still the Vista del Arroyo Hotel.

When Mr. Gallagher says the Annex has a friendly atmosphere and that there has always been a nice crowd here, he speaks with the voice of considerable experience.

Born in Boston, Mr. Gallagher came to California in 1919, and he will remain in Pasadena when he retires. He has a big new job to go to—housekeeping. But he expects to drop in occasionally to see his friends.

Annex Vacancies

Torpedo Design Engineer, GS-12. Supervises the development of accessories for aircraft and RAT torpedoes. Prepares systems studies of new accessories systems including parachute stabilizers, suspension equipment and nose caps. Supervises the work of engineers and technicians in the development of accessories systems. Must have a knowledge of the basic principles of fluid dynamics, aircraft torpedoes and aircraft torpedo accessories. Contact Bernie Silver.

Metalsmith. Underwater Ordnance. Contact Dorothy Seaman, Extension 103, Personnel Division.

Opinion Poll Shows Present Working Hours Preferred by Majority

A good-sized majority of Annex employees voted last week to retain the present working hours of 8 a.m. to 4:30 p.m. Out of a total of 545 ballots cast, 291 people voted for the present schedule, 222 voted to start the day fifteen minutes earlier, and 32 voted for a later start.

The Employee-Management Council sponsored this expression of opinion, and Council President Irene Dickson has stated her satisfaction with the large number of voters.

