

AIR SCOOP

LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 5, Vol. 4

Air Scoop, February 2, 1945

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APPRENTICES TO GRADUATE NEXT FRIDAY AT ONE

Thirty-six apprentices will receive certificates for the completion of their apprenticeship training at the third annual graduation exercises which will be held in the Post Theater on Friday, February 9 from 2 p.m. to 3 p.m.

The principal speaker will be L. Gordon Sheain, Chairman of the Virginia Apprenticeship Council, who will be introduced by William J. Moore, Federal Apprentice Training Service. John F. tory will say a word to the graduates and Dr. B.H. Van Oot, State Director Vocational Training for War Workers, will make a brief address on "Opportunities in Related Study".

Certificates will be presented the graduates by Charles A. Hulcher, Supervisor of Training. Frederick A. Breisch, toolmaker, will speak for the graduating class and Carlton Cecil, apprentice sheetmetalsmith, for the student body.

John W. Crowley, acting Engineer-In-Charge, will preside at the ceremonies, which will be attended by division chiefs, section heads, apprentices, Technical Service Shop personnel, past graduates, mechanical workers, and friends of the graduates. Elton W. Miller, Chief of the Administrative Department, will offer the invocation and benediction.

Through the cooperation of Lt. R.W. Delaney, Post Music Officer, the Langley Field Band, under the direction of Chief Warrant Officer E.R. Laub, has been secured for the exercises. In addition an opening march, the band will play "Lady of Spain", Evans; and "God Bless America", Irving Berlin.

AIR PILOTS ASSOCIATION TO MEET FEBRUARY 6

The Virginia Air Pilots Association will meet at the Industrial USO at 311 1/2 3rd Street in Newport News at 7 p.m. February 6 to discuss club organization and elect officers.

Anyone holding a "solo ticket" or better is invited to attend. For further details, contact Harry Hamilton, 2259.

WILLIAM HEWITT PHILLIPS RECEIVES LAWRENCE SPERRY MEMORIAL AWARD

The Lawrence Sperry Award, presented annually by the Institute of Aeronautical Sciences 'for a notable contribution made by a young man to the advancement of aeronautics,' was awarded to William Hewitt Phillips at the annual meeting of the society in New York Wednesday night.

Col. E. E. Aldrin, Bombardment Branch, Engineering Division, Wright Field, made the presentation to Phillips, Head of the Stability and Control Section of the laboratory's Flight Research Division, for his work in the stability and control of airplanes.

An employee of the Laboratory since July, 1940, Hewitt Phillips is another of our many M.I.T. graduates. He attended public school in Belmont, Massachusetts, and went from there to M.I.T. where he graduated with a B.S. in Aeronautical



William Hewitt Phillips

Engineering with the class of 1939. Then followed a summer with the Installation Department of Pratt and Whitney at Hartford, Connecticut, and fall found him back at Boston working on his Master's degree. With M.S. safely affixed after B.S. after his name, Phillips lit out for the Laboratory and has been here and with Flight ever since.

A native of Port Sunlight, England, he now resides at 46 Marrow Street in Hampton, and has no fair female to call 'wife'.

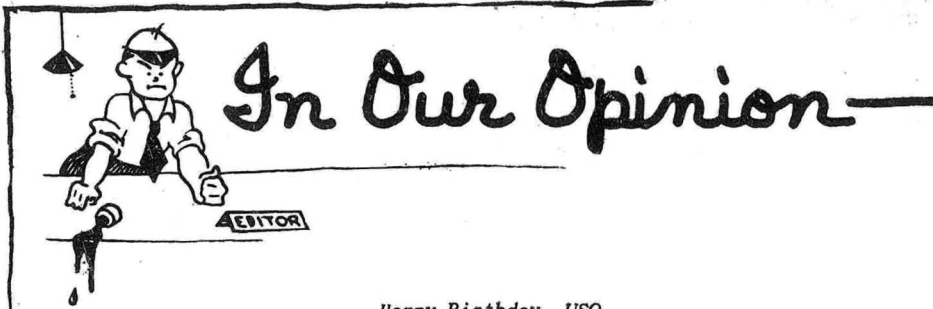
By way of hobbies and recreation, Phillips has followed the time honored and time tested pastime of model building. He has entered and taken first prizes in several national model meets, among them the Stout trophy for indoor models in 1938 and the Texaco trophy for gas models in 1937.

He is a member of the Brainbusters (though he modestly admits that he doesn't know whether or not his dues are paid at present) and points with pride to the fact that he was the only model builder who put in an appearance at the recent challenge meet between the Brainbusters and the Old Timers. A veteran flyer at 26, he was one of the Old Timers.

Phillips is the first Laboratory employee to win this award, which has been endowed by the brothers and sister of the late Lawrence Sperry who met his death while attempting an English Channel flight in 1923. The award consists of a certificate and an honorarium of \$250.

Make Plans For Softball Leagues

A meeting of all softball teams will be held at the Syms-Eaton Community Center on Wednesday, February 7 at 7:30 p.m. The meeting will be open to representatives of last year's softball teams, both men and women, to newly organized teams and to teams in the making. It is important that all interested parties be represented.



Happy Birthday, USO

The week of February 4-10 has been designated as USO anniversary week throughout the land. It marks the end of fourth year of service by these united organizations.

USO has meant a great deal to the community and to the Laboratory and those of us who work Here. It has provided many of us with a "home away from home," a place where we can write, read, listen, play, or just sit around. Its work has not reached us alone; it has done as much for millions more.

Heartening at this time is the news that USO officials have realized that there is a need for expanded facilities for war workers in this locality. It is also gratifying to know that these facilities will be expanded as soon as possible.

To the USO we wish many happy returns of the day, and in appreciation of a job well done, we extend a hearty "thanks."

A Salute To The Graduates

On next Friday, 36 of the Laboratory's apprentices will graduate. To them all it is an important step. It signifies the putting away of their schoolbooks and getting on with the serious business of war. To a man, they are not strangers to war. They have worked at the research end of this war since it began. Some of them will continue to fight in the same way. Others will study in higher fields. Others already have gone into uniform; more will follow. Ahead of them all lies the tremendous job that youth must play in winning the war, establishing the peace, and guiding the destiny of the world.

The next few decades undoubtedly will find some of these men in high positions at the Laboratory. Others may not live to see the end of the war. Whatever they are called upon to do will be aimed at final victory and a better world.

They have sacrificed many personal pleasures to attend classes and study outside of regular working hours in order to learn, for it is their belief that "knowledge is the key to progress," Imbued with this knowledge, they are taking their places in the world.

DON'T WEAR THAT OLD G.I. UNIFORM

It has been brought to the attention of several Laboratory officials by the Provost Marshal and Base Adjutant, that a few civilians have been wearing complete Army uniforms on the Post. It is assumed that these civilians are persons who have recently been separated from the Armed Forces. Civilians are not allowed to wear the complete uniform of any of the armed forces, and if parts of it are worn, sufficient civilian clothing must be worn in order to distinguish one as such.

The following law is quoted from the 1940 edition of "United States Code" Paragraph 1393. Protection of the uniform.

"...it shall be unlawful for any person not an officer or enlisted man of the United States Army, Navy, Marine Corps, or Coast Guard to wear the duly prescribed uniform of the United States Army, Navy, Marine Corps, or Coast Guard, or any distinctive part of such uniform, or a uniform any part of which is similar to a distinctive part of the duly prescribed uniform of the United States Army, Navy, or Marine Corps...

"Any person who offends against the provisions of this section shall, on conviction, be punished by a fine not exceeding \$300, or by imprisonment not exceeding six months, or by both such fine and imprisonment."

T. Melvin Butler, Personnel Officer, emphasized, "The Army must be able to distinguish civilians from soldiers and it is hoped that everyone will cooperate in this matter to the fullest extent and, whenever possible, bring this to the attention of any fellow workers who might be offenders."

MORE INFORMATION ON INCOME TAX

In order to save some of the headaches connected with income tax deductions, the Fiscal Office recommends that working couples who file individual returns claim individual exemptions instead of one person taking the full exemption and the other taking none.

Under the present Income Tax law, both deductions cannot be claimed on the same return unless it is a joint return. And since most married couples find it cheaper to file separate returns, the one who claimed both deductions will probably have to pay an additional tax, while the other will have to wait for a refund of substantially the same amount.

The Fiscal Office suggests that working couples who expect to file separate returns amend their withholding certificates and take individual deductions. These amendments may be made in the Payroll Office.

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- Editor Tiny Hutton
- Associate Editors. Ruth Angel
Claire Burki
- Art Editor Dot Severance
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APPRENTICE GRADUATES' NUMBER



KNOWLEDGE IS THE KEY TO PROGRESS



Henry G. Avery
"Smoky"
Age: 25
Alabama
Machinist
East Machine Shop



Bertram K. Batzold
"Sonny"
Age: 19
New York
Aviation Metalsmith
West Sheetmetal



Frederick A. Breisch
"Fritz"
Age: 24
Pennsylvania
Toolmaker
West Machine Shop



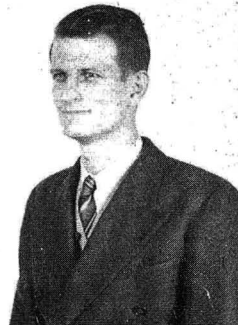
James J. Dawson
"Jim"
Age: 28
West Virginia
Aviation Metalsmith
Erection Shop



Bert Charles Deis
"Bertsie"
Age: 23
Colorado
Toolmaker
East Machine Shop



Charles Earle Folk
"Charlie"
Age: 21
South Carolina
Machinist
West Machine Shop



Eugene J. Hartmangruber
"Tex"
Age: 24
Texas
Aircraft Modelmaker
Dynamic Model Shop



Francis J. Hilsdon
"Frank"
Age: 24
Pennsylvania
Toolmaker
West Machine Shop



Anthony P. Ianuzzi
"Pete"
Age: 27
New York
Instrument Maker
Instrument Application



Walter P. Kabana
"Walt"
Age: 21
New Jersey
Aviation Metalsmith
Erection Shop



Jack Albert Kinzler
"Hacksaw"
Age: 24
Pennsylvania
Toolmaker
West Machine Shop



David Francis Kirwan
"Dave"
Age: 25
Illinois
Radio Technician
Instrument Research Laboratory



Thomas J. Kurtyka
"Tom"
Age: 25
Pennsylvania
Toolmaker
West Machine Shop



Joseph Robert Lada
"Jose"
Age: 25
West Virginia
Toolmaker
West Machine Shop



Ralph E. Moscatel
"Mosquito"
Age: 25
Brooklyn, N. Y.
Aeronautical Laboratory Tech
West Machine Shop



Claud Raymond Panz
"Mike"
Age: 24
New Jersey
Aviation Metalsmith
West Sheetmetal Shop



Frank L. Parmenter
"Fudgy", "Honey Boy"
Age: 23
Illinois
Machinist
West Machine Shop



George William Poythress
"Bill"
Age: 24
Brooklyn, N. Y.
Machinist
West Machine Shop



Richard Sladek
"Tee Tee"
Age: 24
Illinois
Aircraft Modelmaker
Dynamic Model Shop



Henry Allen Smith
"Hacksaw"
Age 23
Maryland
Aeronautical Laboratory Tech
Full Scale Tunnel



William E. Sparks
"Sparky"
Age: 19
Maryland
Aeronautical Laboratory Tech
West Sheetmetal Shop



Robert N. Stewart
"Bob"
Age: 23
Pennsylvania
Toolmaker
West Machine Shop



Robert Charles Storbeck
"Bob"
Age: 23
Illinois
Toolmaker
West Machine Shop



Edward F. Swansey
"Swans"
Age: 25
Pennsylvania
Machinist
East Machine Shop



J. Frederick Taub
"Fred"
 Age: 23
 Ohio
 Toolmaker
 West Machine Shop



Willard M. Taub
"Willi"
 Age: 21
 Ohio
 Toolmaker
 West Machine Shop



Otto Trout
"Ott"
 Age: 23
 Pennsylvania
 Toolmaker
 East Machine Shop



Andrew Veryzer
"Andy"
 Age: 28
 New York
 Instrument Maker
 Instrument Service



Benjamin Vogel
"Doc"
 Age: 28
 New York
 Engineering Design Draftsman
 Reproduction



Martin A. Weiner
"Marty"
 Age: 25
 Pennsylvania
 Engineering Design Draftsman
 West Engineering



William Wilson
"Bill"
 Age: 20
 South Carolina
 Aeronautical Laboratory Technician
 AWT

Charles J. Bernhard
"Chuck"
 Age: 21
 Maryland
 Radio Technician
 Instrument Research Laboratory
 On Military Furlough

Harry A. Nutter
"Harry"
 Age: 21
 West Virginia
 Aircraft Modelmaker
 East Model Shop
 On Military Furlough

Robert J. Effinger
"Effie"
 Age: 21
 Ohio
 Instrument Maker
 Instrument Service
 On Military Furlough

George A. Evalenko
"George"
 Age: 22
 New York
 Radio Technician
 Instrument Research Laboratory
 On Military Furlough

Herbert Schaeffer
"Hoiby"
 Age: 22
 New York
 Machinist
 West Machine Shop
 On Military Furlough

FLIGHT BLUES, AWT, STILL UNDEFEATED

by Charlie Clark

Pat Cancro put on an impressive one-man show to score 21 points and lead 19-Foot to a 25-24 win over the undefeated Low Turbs, who, last Thursday, had taken the measure of the unbeaten East Shops. These two defeats leave Flight Blues and AWT the only undefeated teams in the loop and one of them is bound to fall when the two teams meet Monday night at Wythe at 9 o'clock.

In the Low Turb-East Shop game, Bill Boyd and Herman Parker, rival centers, took high scoring honors with 14 and 12 points respectively. The Turbs won, 33-25.

Another low scoring battle saw Tank push across a 19-16 victory over the league's most "on again off again" team, IRD. Structures came through with a close 20-18 win over PRT.

Other scores of the week were: Flight Blues 32, Structures 21; 19' P.T. 26, Free-Flight 16; PRT 25, Flight Whites 21; and West Shops 22, Tank 19.

In addition to the Flight Blues-AWT game, other top notch encounters of the coming week are: 8'HST vs East Shops at Langley View on Wednesday at 8 and IRD vs Low Turb immediately following; and IRD vs PRT at Langley View Thursday at 7.

The standings:

Team	Won	Lost	Pctg.
Flight Blues	5	0	1.000
AWT	4	0	1.000
East Shops	5	1	.833
Low Turb	4	1	.800
8' HST	4	2	.667
IRD	3	2	.600
Structures	4	3	.571
19' P.T.	4	3	.571
PRT	3	3	.500
ALD	2	3	.400
Tank	1	4	.200
West Shops	1	4	.200
Free-Flight	1	5	.167
16-Foot	0	4	.000
Flight Whites	0	6	.000

★ ★ ★

PLAN DANCE FOR VALENTINE NIGHT

The Engineering Social Club is sponsoring a Sweetheart Dance for Valentine Night, Wednesday, February 14 from 9 'til 12 at the Hampton Armory. Red Overton and his orchestra will furnish the music for the gala affair.

Fellows who would like to present their girl friends, wives, or what have you, with a Sweetheart Corsage may get them at the door for a dollar.

Tickets are \$1.50 and may be obtained from Jack Jenkins, East Engineering, or Nick Jevas, West Engineering.

TRYOUTS FOR LITTLE THEATRE SUNDAY

Dave Goldenbaum, Tank, Producer of the Hampton Little Theatre's Workshop Night on February 23, has announced that tryouts for the three one-act will be held at 7 p.m., Sunday, February 4, at the Symes-Eaton Community Center in Hampton.

All three directors are Laboratory employees and two of the plays have been written by one of them, Margaret Bame of the Fiscal Office.

Miss Bame will direct her own "On Mill Hill," a Comedy-drama about life in a North Carolina mill town. Three males and three females are needed for the cast. Morton Scherage, IRD, will direct the other Bame play, "The Terrific Dud," a comedy about young people. The cast calls for three males and four females.

Tiny Hutton, Air Scoop, will direct "The Passing of Chow Chow," a modern comedy of married life, written by Elmer Rice. The cast will consist of two males and one female.

Producer Goldenbaum had to say about the forthcoming presentation, "I am very glad to see that we have some original plays for our workshop. It is part of the work of the Little Theatre to encourage new playwrights as well as directors, actors, and stage technicians. Now that we have our plays and directors, there is a big need for folks who want to try their hand at acting or staging. This is our invitation to new people to come and try out."

CANCRO TOP SCORER WITH 79 POINTS

Pat Cancro's 21 points against Low Turbulence put him far in the lead of league scorers with 79 points for seven games. His 37 field goals are also tops in that department.

Eddie Polhamus, AWT captain, has 53 points for 4 games for the highest average of better than 13 points per game.

Billy Bates, AWT, and Fred Rice, Low Turb, are tops with most foul goals at ten each.

The leading scorers are:

Player	Team	G	FG	Fo.G	TP	Avg.
Cancro	19'P.T.	7	37	5	79	11.4
Polhamus	AWT	4	26	1	53	13.3
Rice	Low Turb	5	19	10	48	9.8
Anderson	Struc.	6	21	6	48	8
Beiduk	8'HST	6	21	1	43	7.2
Bates	AWT	4	16	10	42	10.5
Nickols	PRT	4	19	2	40	10

WANTED: Full size innerspring mattress in good condition. Claire Burki, Air Scoop, 2376.

CONGRESS HEARS RESEARCH POLICY

"It is possible to assume that the United Nations will, by repressive measures, eliminate hostile competition in the air. Nevertheless, it is essential to continue research so as to assure American leadership in military aviation development," stated Dr. J. C. Hunsaker, Chairman of the National Advisory Committee for Aeronautics, in a report to the house committee on post-war military policy in which he stressed the importance of continued aviation research. In a paper presented at the hearing, he said that such a step is necessary to keep the United States in the front ranks of postwar air commerce.

Dr. Hunsaker went on to say, "The Committee believes it to be in the public interest to foster a greatly increased civil use of the airplane for domestic and international airlines and for private operation. A vigorous civil aviation can affect favorably our domestic and international relations, both economic and cultural."

Although much of the war research will be of great value in the post war world, Dr. Hunsaker pointed out that in many cases practical applications, which will require further research directed toward the solution of a specific problem, are yet to be discovered. With this in view, he stated, "The NACA should endeavor to direct an increasing proportion of its research effort to the technical problems of civil aviation with a view to their practical solution."

In another recommendation to the committee, Dr. Vannevar Bush, Director of the Office of Scientific Research and Development, proposed that a top military commander be appointed to coordinate the development and use of new weapons.

NEW SUPERSONIC TUNNEL FOR AAL

Indicative of the high speeds projected for war planes, the Navy is financing a new \$4,500,000 wind tunnel with ranges above the speed of sound at the Ames Aeronautical Laboratory, Moffett Field, California - the world's first supersonic tunnel capable of testing aircraft models.

John F. Victory, secretary of NACA, stated that there are a number of small supersonic wind tunnels, including one at the Langley Laboratory, which was built as a model upon which to base the design of the Ames installation.

The new tunnel presumably will be used for some of the new fighter designs, including the jet propulsion engines which the Navy has been working on for some time.

LOST: A pair of red wool mittens. Anna Land, personnel Records.

LIBRARY NEWS

LIFE at the LABORATORY

The following new books are now available at the Library in the Administration Building.

311.115 B51 How to interview. By W. V. Bingham and B. V. Moore.

331.114 M22 Handling personality adjustment in industry. By R. N. McMurry.

551.5 B99 General meteorology. By H. R. Byers.

538.3 St8 Electromagnetic theory. By J. A. Stration.

551.5 St2 Basic principles of weather forecasting. By Victor P. Starr.

551.5 H49 Meteorology, theoretical and applied. By W. E. Hewson, and R. W. Longley.

551.57 G28 Atlas typischen nebelkammerbilder. by W. Gentner.

621.3878 Sh3 Transmission networks and wave filters. By T. E. Shea.

629.1303 Ah7 Dictionary of aeronautics, English - French - German - Italian - Spanish. By Lothar Ahrens.

621.319 P37 Electric circuits and fields. By Harold Pender.

510.835 C42 Mathematical tables. By C. D. Hodgman.

651.4 Ai4 Teacher training for industry. By C. C. Aiken and Scott B. Lilly.

651.4 C78 How to supervise people. By A. M. Cooper.

651.4 C78s Supervision of governmental employees. By A. M. Cooper.

651.4 H49h The foreman's handbook. By Carl Heyel.

651.4 M45 Effective foremanship. By H. B. Maynard.

651.4 Sch1 Job instruction. By V. G. Schaefer.

651.4 W17f The fundamentals of industrial psychology. By Alfred Walton.

651.4 W17 The new techniques for supervisors and foremen. By Alfred Walton.

672 Am3c Cast metals handbook.

543.3 M38 Examination of water, chemical and bacteriological. By William P. Mason.

651.4 K76 Industrial management. By Knowles and Thomson.

516.5 L62 Practical analytic geometry with application to aircraft. By Roy A. Liming.

516.56 St9 Tafeln und aufgaben zur harmonischen analyse und periodogramrechnung. By Karl Stumpff.

311.2 W65 Mathematical statistics. By S. S. Wilks.

517.3 L49 Lecons sur l'integration et la recherche des fonctions primitive. By Henri Lebesque.

629.13402 W72 Aircraft mechanics handbook. By Paul (Van) Winkle.

629.184 N33 Airplane propeller principle. By Wilbur C. Nelson.

629.1341 L81 Aircraft design sketch book.

517.3 H66 Theory and applications of harmonic integrals. By W. V. D. Hodge.

512.83 M14 Vectors and matrices. By C. C. MacDuffee.

The Air Scoop staff was busily engaged

in conference with Elton W. Miller over the plans for an issue commemorating the Committee's thirtieth anniversary on March 3. Miller was recalling the celebration that was held in Washington on the twenty-fifth birthday. Quoth he, "Oh it was quite the finest affair I've ever attended. They invited all the former members of the Committee." To which statement he added, rather innocently, "Those living."

Just call me "Teddy"

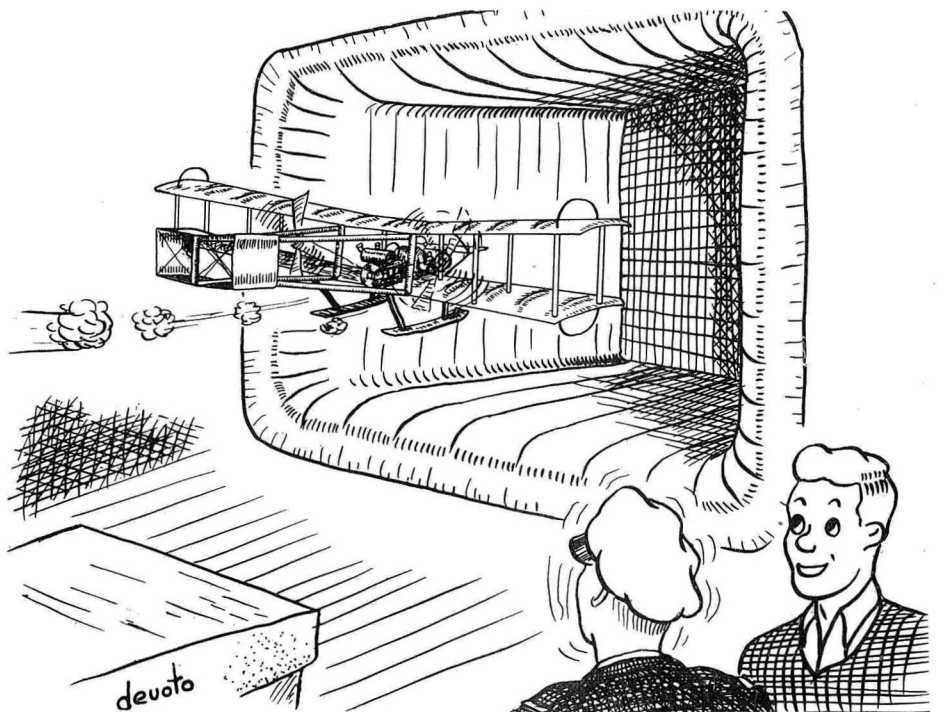
if you don't mind. That might be the title of this tale that offers good proof that some folks really throw themselves into the parts that they see portrayed on the screen and often find themselves acting as their favorite character did, even after they get home. J.J. Lankes has been seen, on several occasions, to enter the Utility Building, pause at the foot of the steps, raise his right arm, and bolt up the staircase bellowing, "Charge!"

Used to the precision work

that goes on in the Instrument Shop, Andy Veryzer was a bit upset when his new 7½ pound son, Wayne Gordon, missed his big brother's birthday by one day. Big brother is Andy, Jr., age two.

The starry-eyed computers,

who help conduct Stability Research between Boulevard engagements, have been hopelessly attempting to convince outsiders that Stability men are the most desirable dates on the Field. The lassies have argued that the already high percentage of glamour boys within Division ranks has been still further increased by recent good-looking Army replacements. As yet, no one of any consequence has been convinced, but although the whole affair started in jest, Soule's girls are now in dead earnest about proving their point. Plans are underway for a mammoth contest designed to settle the argument once and for all as to the supremacy of the Stability male. No details are as yet available but those in the know darkly intimate that the solution will be precipitated on a dimly lit dance floor in the near future.



Oh, that flies through here every year on Wilbur Wright's birthday.

FOR SALE: Brand new Winchester Model 52B target rifle, improved heavy barrel type with Lyman #77 front and Marble-Goss extension sights, telescope height. Price \$95. L. G. Jacobs, PRD.

LOST: The fountain pen part of a desk set has either been lost or taken by mistake from the desk of J. E. Gillespie Construction Purchase. Will the finder please contact him.