

The
Scintillator
december
1945



ERNEST R. BREECH

A New Year's Message from President Breech

"The first really joyous Christmas in six strife-torn years has brought with it a rebirth of hope that good-will can now be more than just a time-honored holiday thought, and that we all can put real meaning in our greeting 'Happy New Year.'"

"I extend to every employee of Bendix Aviation Corporation my sincere wishes for all the joy and blessings the New Year promises. May 1946 bring to all of us new opportunities and the understanding and courage we will need to make the most of these opportunities."

"The men and women of Bendix have earned the right to be proud of the role our organization played in helping our fighting forces to restore peace on earth. You contributed much to make 1945 the year of decision, and to bring our young men and women back to peaceful homes, unclouded by the fears and sacrifices of war."

"The price of peace, in terms of lives, suffering and worldly goods has already been great, as we all know. During 1946, and for many years to come, the job of building sound foundations for continued peace and progress will exact a further price from all Americans. For only a sound, strong and united America will be capable of leading the world back to peaceful pursuits. By example and by loyal devotion to our daily tasks, we can demonstrate to the world that America is as capable of assuming responsibilities for peacetime leadership as we were in producing the materials which made victory possible."

"We in the Bendix organization have special responsibilities and opportunities in peacetime. The future success of our contributions to the job of rebuilding the world's key industries and transportation and communications services will depend upon our loyalty, resourcefulness and our productivity."

"The warm-hearted glow and reborn hopes which all men of good-will can share at this holiday season should inspire us to devote our fullest energies to the jobs of peace so as to enjoy its benefits."

"I know that I speak for the entire management group when I express sincere gratitude for the spirit of teamwork that you have given us. We are all employees, together. As in any good organization, we have varying degrees of responsibility; but without a spirit of loyalty and unselfishness, we could not have accomplished such an outstanding war production and engineering job."

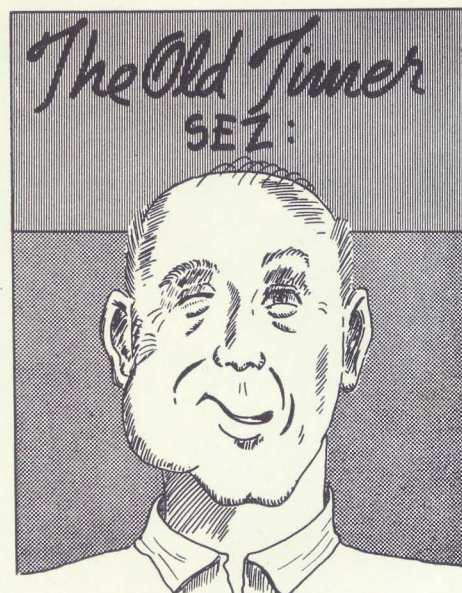
"With a continuation of that spirit of mutual trust, respect and honest effort, we can go on to an even greater accomplishment in the peacetime future. God bless you and yours!"

Victory Bond Drive Near Quota

As this is written, exactly two weeks before Christmas, the Victory Bond drive at Scintilla has reached 94.5% of our \$50,000 quota.

Perhaps by the time you read this the quota will have been reached and passed. However, we cannot let this opportunity pass to remark that we cannot afford to mar our spotless record of going over the top in every past Bond drive. There is always the possibility that we may relax our efforts merely because the goal is in sight . . . perhaps with disastrous results.

That's why we must keep on buying Bonds to the extent of our ability . . . as long as there is need for our help. So stay in there, folks . . . keep swinging away with those Victory Bonds until the job is done!



Dunno jest how well I'm gonna maik out with ritin' this kolyum. Wile I ain't eg-zackly no invalid, rite now I feel like I jest ben thru a battle of the Bulge. Come to think of it, mebbe that's the naim fer it . . . I jest got home frum a Christmas shoppin' spree with the better half, an' every femail in the county was mixin' it up, an' bulgin' with packages.

Heerd sumbody say one time that a man is in his rite mind until he gits behind the wheel of a jaloppy, then he immejitly becomes a candidate fer th' booby hatch. Thinkin' along the saim lines, a femail is normal until she gits into a jam of other femails in a departmint stoar. Then she ain't even a lady. Insted, she acts moar like a disappointed wildecat with a tooth ake.

Me, I ain't never been classed with the cowards, but when the gals start mixin' it up at the bargain counter, I'm headin' fer the sidelines every time. I ain't never forgot the old sayin, "Discreshun is the better part o' valler."

Today, tho, I was a little slow on th' get-away. First thing I knowed Ma had me in tow an' headin' fer the counter with a big sine sayin', "LADIES! NEW SHIPMENT OF NYLON HOSIERY JUST ARRIVED . . . ONE PAIR TO A CUSTOMER."

I shoulde knowed better, but I kinda relaxed a minute to give the once-over to a buxom blonde in the nightie dept., an' fore I knew what was happenin', Ma had me by the arm an' headed fer the center of the stampede.

An' when I say stampede, brother, it's an under-statement. Ma went through that mob like Patton in a tank, but me . . . I soaked up a beatin'. Some dame with a build like Slingin' Sammy Baugh butted me in the bel -- pardon me, I mean stom-mik . . . with her head. While I was tryin' to git my wind back, another femail full-back kicked me in the shins. I lifted my achin' ankle out of the way, an befoar I could set it down again a 200-lb. amazon landed with both feet on my other dog, specifickally on my pet corn.

(Continued on Page 3)

ENGINEERING CRIB...Measurements "Watch Dog"

The section of Engineering Department known as the Engineering Crib is listed as Departments 90 and 91, combining former Departments 6, 29 and 35. Staffed by Engineering-trained personnel, it is responsible for all equipment, instruments, fixtures and supplies for use by Engineering in design, research, development, testing, etc. This responsibility covers not only the care, maintenance and procurement of such equipment, but also includes the technical and detailed calibration, use and control of all such implements.

In the past, it was common practice to use the Crib as a clearing house for material, instruments and supplies for Engineering's sub-departments located outside the plant at the Lewis Building, the old silk mill, etc. But with the curtailment of personnel following V-J Day, and the centralization of Engineering functions, such extraneous duties have been dispensed with. The Crib personnel now specialize in calibration and special measurement functions such as power factor, series resistance and other allied fields.

All such instruments, of course, are graduated into their respective units for measuring the desired function . . . volts, amperes, microfarads, etc. It is extremely important that such measuring units be properly standardized with the accepted

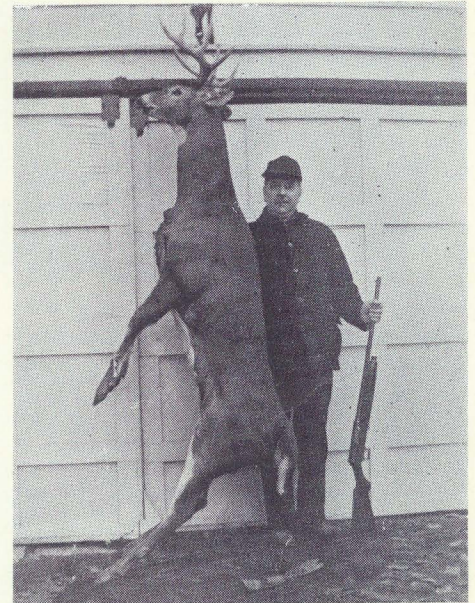
standards used in the trade, and established by the various engineering societies, the Bureau of Standards, Armed Forces, customers, suppliers, etc.

To prevent a disparity in produced measurements between different sources this calibration work or the comparison of such instrument measuring devices with the accepted standards must be done constantly by the Engineering Crib. This is vital, not only for the Engineering Department in experimental, developmental and research work, but at all times for production and inspection in our own plant and at the plants of sub-contractors, customers and suppliers.

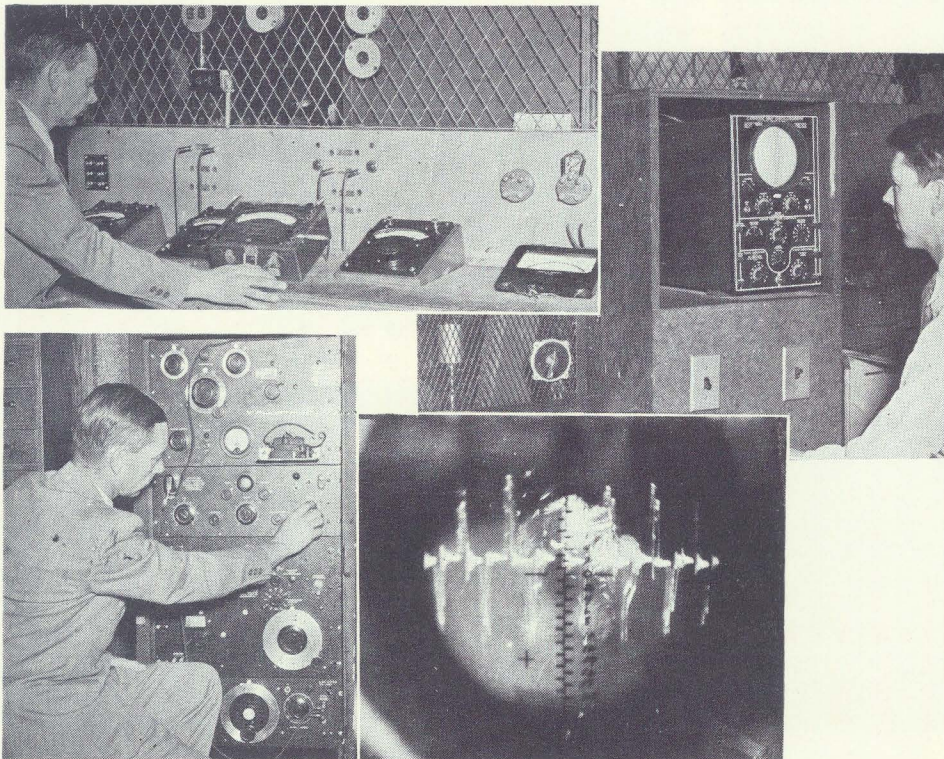
The instruments are of a highly technical and specialized nature. For example, a new and novel type of test bench with built-in power supply for producing AC and DC voltages up to 1,000 volts, and currents up to 20 amperes, has been developed for calibrating voltmeters and ammeters.

A "Schering" bridge is used for making very accurate power factor measurements of condensers and dielectric material. High voltage calibration on oscillographs is accomplished by a special high voltage rectifier and an electrostatic voltmeter. The high voltage for this work is obtained from a Scintilla DFLN magneto with suitable controlling and regulating devices. This equipment is

capable of producing and calibrating up to 20 KV. This electrostatic voltmeter is also used to calibrate testing transformers up to 30 KV. In addition to this work, special instruments, power supplies, etc. are designed and built for special application.



RAY MARCELLUS (11-274) really connected with a sizeable chunk of venison during the recent deer season. The 12-point buck shown here tipped the scales at about 200 lbs. At any rate, he was big enough to win the Pardee store's \$10 prize for the biggest deer, and \$5 for the buck with the most points. Nice going, Ray!



This group of photos shows some of the calibrating instruments mentioned in the accompanying article. Upper left—Special calibrating bench with standard voltmeters and ammeters used for calibrating purposes. C. A. Thomas, Instrument Engineer, is calibrating an ammeter. Upper right—Norman Glover calibrates an oscillograph by means of high voltage calibrating equipment. Reading appears in graphic form on illuminated dial near Glover's head. Lower left—Mr. Thomas with the "Schering" Bridge, used as a standard for capacitance and power factor measurements. We were informed that Scintilla has the only "Schering" Bridge in this part of the country. A DF-18 high tension condenser's capacitance is being measured in photo. Lower right—Typical wave form of a Scintilla magneto's secondary voltage as shown by an Oscillograph reading.

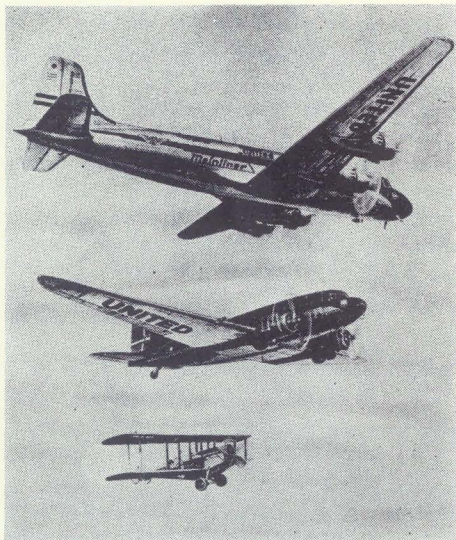
Photos by Norman C. Meagley

The Old Timer Sez: (From Page 2)

Natchurally, I picked up that foot too, an' first thing I knew they had me jammed tight, with both feet off the floor. All at once I went wham! up against the counter, with both knees. That took all the gump-tion outa me. Jest then the clerk yelled that the nylons was all sold out. "Well," sez Ma, "I know another place where they got some. Come on, Pa, let's git goin' be-foar they're all gone too."

I'm a mild man, easy to git along with, but a feller kin taik jest so much, then he's gotta stand up fer his rights. "Ma," I trembles, "you're the one that wants them stockins. An' by gadfry, I ain't gonna risk my neck again . . . I'm gittin' too old ta play these rough games. Me, I'm goin' down the street an' join the Marines . . . at least they teach a feller how ta defend himself."

That's all fer this time. Now I gotta hunt up the arnica an' iodine. Merry Christmas! Ouch . . . my corn!



25 Years of Air Progress

The silver anniversary of the nation's coast-to-coast air route, being observed this month, forcibly calls attention to progress in airline equipment. Here is the "yesterday, today and tomorrow" of the story: Bottom—single engined, open cockpit DeHavilland plane, equipped with 400 horsepower Liberty engine, which carried its pilot and 400 pounds of mail at 100 miles an hour in the first coast-to-coast air mail service in 1920. Center—twin-engined, 12-ton Douglas DC-3 Mainliner of the type being used today on overnight coast-to-coast schedules. It is equipped with two 1,200 horsepower Pratt & Whitney Wasps and cruises at almost 200 miles an hour with 21 passengers, a crew of three, baggage, mail and express. Top—four-engined, five-mile-a-minute Douglas DC-6 of the type which United Air Lines has on order as the next step in coast-to-coast air transportation. The DC-6, equipped with four 2,100 horsepower Pratt & Whitney engines, will cruise at 300 miles an hour while carrying 52 passengers, a crew of four and 5,500 pounds of cargo. It will be able to cross the continent in 9½ hours or less as contrasted with the approximately three days required for the first air mail letters to cross the nation by plane and train.

Courtesy of United Air Lines

Band Uniforms and Music

Harold Pendorf has requested that we again remind former Scintilla Band members to turn in their uniforms to him. This also applies to any band music now in the possession of former members.

The Cover

Although not exactly suited to mid-winter Sunday driving, this snow-mantled woodland road nevertheless exemplifies the beauty of nature at this season of the year.

We who spend so much of our time within four walls, sometimes miss the breath-taking glories of winter. Just to be different, try a hike into the woods over the holidays . . . then you'll realize what you've been missing.

Photo by Lambert

"Peace On Earth"

Well, it's Christmas again . . . and there's a different kind of feeling in the air this time. Some of the wartime tension is gone. People are loosening up a bit, losing their grim expressions. The boys are coming home . . . some of them in excellent physical condition, some of them carrying the scars and remembrances of war, and too many of them with their useful lives behind them.

But the mere fact that they are home, or on their way home, alleviates the sadness occasioned by the misfortunes of war. At least they will be home from now on, and that's cause for rejoicing.

Christmas morning will find the family circle complete in many instances. The top kick who ate his Christmas rations out of a can in the Pacific jungles last year, will vie with Junior for the right to work the switch on the electric train.

Pfc. Jones, done with battle, will watch the shining eyes of his one and only as she breathlessly unwraps the sparkling ring and fits it to her finger.

And somewhere . . . many somewheres . . . Dad and Mother will start Christmas day with a prayer of thanks for the safe return of the boy who has come back from the privations of a prison camp hell hole.

Christmas, 1945, will mean more than it has for many years. For all of us, in the United States at least, it will mean that we can go on plotting our own little personal destinies, free to achieve as much or as little as our abilities will allow. It will remind us that we fought because we had known freedom . . . and knowing freedom, we were willing to go all out to perpetuate it.

In the atomic age ahead of us, our efforts must now be directed toward maintaining peace . . . "Peace on earth, good will toward men," perhaps, may some day symbolize everyday living rather than the spirit of a single day in the year!

Mysteries of Glass Explained to Forum



MR. C. J. PHILLIPS

Mr. C. J. Phillips, Manager of the Electronic Sales Department of the Corning Glass Works.

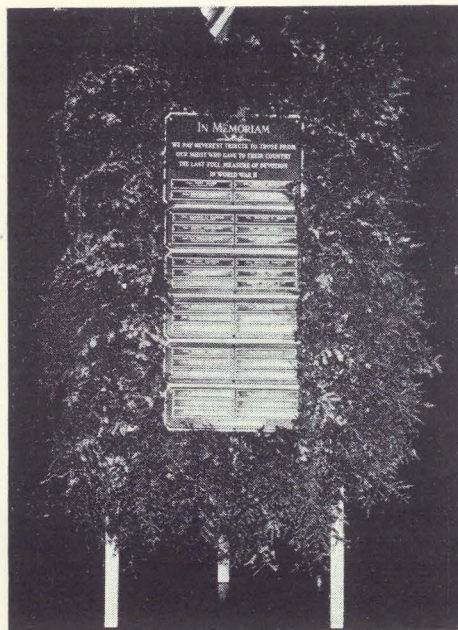
To a group unacquainted with the technicalities of glass manufacture, Mr. Phillips' descriptions and explanations of the intricate processes involved in the scientific production of glass seemed remarkably clear and precise . . . whether he was discussing the problems connected with casting the great 200-inch telescope mirror, or techniques for producing the equally fascinating fiber-glass.

Mr. Phillips, in a brief review of ancient methods of glass manufacture, surprised his audience by pointing out that many of the results of modern research in glass seem to have been known by the Egyptians in 2000 B.C. He traced the development of methods of production from the old-time methods of the glass-blower . . . still practiced for certain types of fine products by some 300 glass blowers at Corning . . . to the modern machines that produce light bulbs at the rate of over 1,000 per minute.

He discussed the infinitely varied properties of the many types of glass that can now be made, pointing out that Corning has as many as 25,000 formulae for glass, of which some 400 are now in production. He treated at some length modern commercial and scientific uses of glass . . . all the way from Pyrex stove ware and un-

(Continued on Page 7)

SCINTILLA HONORS MEN WHO GAVE LIVES IN SERVICE



Pearl Harbor Day, Dec. 7th, was observed at Scintilla by a lunch period ceremony to dedicate a plaque bearing the names of former Scintillites who gave their lives in World War II.

Upper left—*R. T. Snowden*, Chairman, makes opening remarks. Upper right—*Gordon LaTour-ette*, of Sidney Central School, sounds "Taps."

Center, left—Rifle Squad from the *Charles L. Jacobie Post*, American Legion, Sidney, firing a salute. Center, right—Veterans of World Wars I and II march into the ceremony.

Lower left—*Rev. Wilton J. Dubrick* delivering the dedicatory address. Lower right—The plaque, mounted on an easel and banked by evergreens.

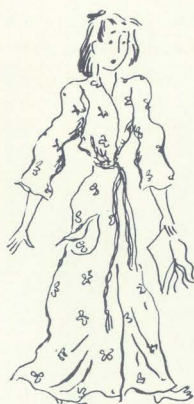
Strictly

FOR THE GIRLS!



HIGH, NOT SO WIDE, BUT HANDSOME are the hats perched on heads across the country. Now, newest vogue is to match your finger nail polish to the color of your chapeau. We've all heard for a long time how a well-turned hand can provide that extra dash and finish to your appearance. To make sure you're "all of a piece" and to give you a full sweep of color from your high crown to your fingertips, choose a red, fuchsia or cherry-toned hat for the holidays, and you'll easily find an exact match in nail lacquer. If you're looking for a clear warm shade, Alert is a safe bet. It's just rich enough in color to give you an accessory note at once smart and flattering.

Two onions and a few whole cloves in the water in which you boil a smoked tongue will give the meat added zest and flavor.



REFORM AND PLEASE — Whether you're trying to reform a Sloppy Susy who relentlessly clings to a battered bathrobe, or merely trying to please an appreciative friend who loves to shed her working clothes and relax of an evening, you'll be interested in a feminine concoction we've seen that's sure to do the trick this Yuletide. It's a quilted turquoise Coolie coat with black loops to anchor it at the neckline, which boasts a black taffeta lining to swish its wearer along. Side slits give it an authentic Chinese look. The coat can be worn effectively over black slacks for lounging. It also comes in a gay rose floral print on a pale blue ground.



IT'S HOLIDAY TIME — a whole week of gaiety, merry-making and open-house entertaining. When it's your house that stands open — make it a supper party. Remember the cold outside and start the meal with something hot, perhaps an onion soup served out of an old-fashioned soup tureen. A hearty main dish, something easy on the cook — and the purse — comes next, followed by a green salad and dessert. Here's a menu, the recipes for which can be found in every cook book.

Onion Soup	
Ham and Potato Scallops	
Tossed Green Salad	
Peanut Cookies	Coffee

WHO SAID it's a man's world? *Everybody* is trying to please — and to help — the ladies. Even business and industry. Now the life insurance companies are making a special effort to be of service to women — telling them how to use their policies, acquainting them with facts about life insurance. There's a good reason for this special attention, too. During the war, life insurance buying by women increased 83%. Once women bought comparatively few life insurance policies. But today, one-third of all policies sold are sold to women. In addition, of course, women are usually the beneficiaries of policies purchased on the lives of men.

HERE'S A UNIQUE and inexpensive recipe for a Christmas gift! Designer Lilly Dache suggests two snoodnets, a red one tucked into a green one, both filled with ribbons, flowers and combs. Wrap with a big red satin ribbon bow, topped with a sprig of holly or mistletoe. Place under tree. Serves one lucky lady with a charming bit of "make-your-own" hair witchery on Christmas morning.



For Your Yuletide Pleasure



Merry Christmas Cookies

Christmas is the time of good cheer, and the best cheer of all is seeing and renewing old acquaintances. So make this the happiest, merriest Yuletide season you've ever had by extending the gracious hospitality of your home to all your friends. And don't forget to keep the cookie jar brimming full and the tea kettle on for refreshment time.

Merry Christmas Cookies

- 1 cup vitaminized margarine
- 2 cups sugar
- 2 eggs
- 1½ teaspoons almond flavoring
- 3½ cups sifted enriched flour
- 4 teaspoons baking powder
- 1 teaspoon salt

Cream margarine and sugar together thoroughly. Add eggs and flavoring; beat well. Sift flour, baking powder and salt together three times. Add flour mixture gradually and mix thoroughly. Roll dough thin on floured board. Trace holiday patterns on dough with sharp knife. Bake on greased cookie sheets in hot oven (400° F.) 5 minutes, or until light brown around edges. Cool. Add milk gradually to ½ lb. confectioners sugar; mix until spreading consistency. Tint half with food coloring. Frost cookies, leaving some unfrosted, if desired. When frosting sets, decorate cookies with melted chocolate, using a fine paint brush. Yield: about 8 dozen cookies.

Honey Brownies

- 2 tablespoons melted vitaminized margarine
- 1 cup quick oats
- ½ cup enriched flour
- 1 teaspoon baking powder
- ¼ teaspoon salt
- ½ cup vitaminized margarine
- ⅓ cup cocoa
- ½ cup honey
- ½ cup corn syrup
- 2 eggs

Mix melted margarine with oats. Sift, measure flour and resift with baking powder and salt. Add cocoa to margarine creamed with syrups. Beat eggs very light. Add to creamed mixture with flour and ½ the oats. Turn into square shallow pan lined with waxed paper to extend above two edges of pan. Sprinkle rest of oats over the top. Bake in a moderate oven (375° F.) 40 to 45 minutes. Cool, lift from pan by paper and cut into bars. Yield: 16 to 24 bars.



No matter how old he grows, Santa always is able to appreciate feminine pulchritude when he sees it. The old boy is enjoying a double eyeful this trip. Good 'twin' appeal in this Christmas greeting, Ax.

Seen and Heard Around Engineering

New faces in the lab . . . Hank Wright, formerly with the Home Lite Co.—Hank helps Jack Tyne stalk the elusive sparks around the vacuum chambers. Also Louis Knutsen, formerly with the Sylvania Co., helps Jack McNulty trap sparks in the High Frequency timberland. Also in Engineering, James Ludwig, recently discharged from the Army. Jim performs his chores on the drawing board. Welcome, men, to Scintilla.

Gail Walker having recently purchased the Decker Trucking Co. of Oneonta, N. Y. resigned his position Dec. 1, to devote his full time to the trucking business.

Don Sweet, with a florist business in Bainbridge also resigned Dec. 1, to spend his full time amongst the flowers. Good-bye and Good Luck to Don and Gale.

Frank Borchert, top man in experimental engineering, looking at a test Ed. Palmer had just removed from the vibrators, still is perplexed as to why his men did not smash the Atom. Frank says they smash everything else and can't understand how they missed the "Atom."

Glynn Williams thinks that if Scintilla could bottle up some of the odors and smells

Floyd Root's hired men concoct, it might make the "Atomic Bomb" obsolete.

Among the Deer-Slayers in Engineering, we would report, J. B. Hutchinson and Mrs. J. B., with a nice Buck each. Jim Reynolds brought down a 6 point buck in less than one hour of hunting. Ogden Hamilton of Field Eng., and a party of 10 or 12, invaded southern Delaware County the first week-end of the hunting season. Og got a nice buck. Probably when the buck saw the gang after him, he just dropped dead from fright. Og claims he shot in self defense . . . says the buck pulled a knife on him. Also Jess Beach got a nice Turkey . . . on a Punch Board.

Herb. Worden says, some of his tests suddenly conclude in a blaze of Glory . . . well, at least in a blaze.

Jack Tyne, our Piano Virtuoso, says playing the piano at a party is O.K. Only when he plays on the black keys, Art Kludas sings the white ones, and when he plays the white keys, he thinks Art sings in the cracks.

Don Palmer passing candy around to co-workers. Reason: a baby girl arrived on Nov. 29. Congratulations to Don and Mrs. Palmer.

Add familiar noon day sights . . . Three

(Continued on Page 8)

Yes, the Scintillator IS Smaller This Month

When you were handed this issue of the Scintillator, we presume your first reaction was: "Gosh, the magazine is smaller this month."

You're right . . . it isn't as thick as usual, and there's a reason.

Since V-J Day, with nearly every department disrupted and in the process of reorganization, there has been virtually no departmental news turned in. Presumably, most of our former regular correspondents have "gone with the wind," and no replacements have been made to handle the news items.

In order that we may regain some of our departmental news volume, we hope that each department will delegate some individual to be responsible for turning in that department's news items.

Secondly, the Editor has been assigned additional duties which, at present, require a large percentage of his time. All of which means that he is unable to devote as much time to going out after the news as he was able to do in the past.

There . . . the cards are on the table. Can't we get together and do something about it? You folks can easily keep track of what happens from day to day in your own individual departments. Jot down these events on a slip of paper, sign your name and clock number on it and drop it in the plant mail, addressed to the Scintillator Editor.

Unless something unforeseen happens, we expect to begin the new year by dolling up the old Scintillator in a new and attractive dress . . . and a size that will be handier than our present format.

So jot down your news and send it in . . . we'll do our best to give you a publication that you'll continue to enjoy.

Mysteries of Glass (From Page 4)

breakable glass dishes for the Navy, to the complicated and delicate equipment necessary for electronic research in radar, television and communication.

To make an enthusiastic exposition even more vivid, Mr. Phillips brought with him a large number of exhibits. For example: an automobile windshield, laid across two supports, that would bear the strain of a man springing up and down on it, without breaking. There was glass so resistant to thermal shock that Mr. Phillips let a container made of it stand empty on an electric plate until it was extremely hot, and then poured cold water into it with no effect on the container. There also was a tiny glass marble that would make 102 miles of fiber glass. Then a condenser made of glass and metal united in a solid piece; and radio tubes of almost minute size.

The lively discussion at the end of the talk was a definite indication of the interest aroused, and the Forum went home much indebted to Mr. Phillips not only for his address and exhibit, but also for the generous attention he gave in his frank replies to questions.



GUN CLUB LOOKS AHEAD

The annual business meeting of the Scintilla Gun Club, Inc. was held at the indoor range on the evening of Nov. 26th, 28 members being present.

Proposed changes in the club's by-laws were discussed. These changes include making the initiation fee for regular membership \$25.00, with that of associate membership, \$5.00. A Board of Governors will be established to care for club property. The proposed amendments will be put into final form by a committee and voted on by the members when next year's officers are elected.

It was decided to hold the usual annual

dinner and dance in January. Efforts will be made to obtain a speaker who will be interesting both to members and guests.

The following committees were appointed: Nominations—Messrs. Walters and Herzog. Banquet—Messrs. Allen and Bazata. Elections—Messrs. Pendorf and Pittet.

The anticipated return of the building to club use next spring was discussed, and various possible alterations considered which may be desirable when peace time activities are resumed. At the close of the meeting an inspection of the property was made and refreshments were served.

Seen and Heard (From Page 7)

Jacks and a Jill playing bridge, but every day.

Engineering Dept. planning a big Xmas party, with genial Og Hamilton as Master of Ceremonies. Casualty lists will appear in the next issue of the Scintillator.

Dick Coats having sold his property in Albany, is now pricing Real Estate in Sidney.

George Sherman's snazzy new car (?) really

stops traffic. George says it's actually frisky, and he has trouble keeping it between the fences along the road, at times. It's a Buick of early American vintage.

Lou Elliott of Field Eng., for one, is glad the hunting season is over. Lou says there were so many hunters on his farm in Rogers Hollow, everytime he stepped outdoors he bid his family good-bye, never knowing if he would get back again or not.

Has anyone noticed a gent whose shoes

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BARTER COLUMN

WANTED TO BUY: Pair of 30 x 3 tires. Robert Smith, Engineering Dept., 118 N. Broad, Norwich, N. Y.

WANTED TO BUY: Two 16-inch car wheels, 5-bolt, 3-inch bolt spacing. Hulsart, 90-87.

FOR SALE: Man's bicycle, in good condition, \$30. Call at 31 Pleasant St., Sidney, after 5 P.M. or see Lillian Short, Service Department.

FOR SALE: Photo enlarger, in new condition. Versatile. Enlarge, copy, use lamp housing for photo spot lighting. Five lenses to cover 35 mm. to 4" by 5". Price \$15.

Also

Beautifully shaped goldfish bowl, gold tinted glass in nice wrought iron stand. Large size. Price \$9. R. A. Nichol, 30 Grand St., Sidney.

FOR SALE: Stewart Oak coal stove for living room use. New grates, good condition. Price \$15. E. Kirkgaard, Production Dept. (or Masonville).

FOR SALE: Complete household furnishings including the following items: Living room suite, 2 bedroom suites, extra beds, mahogany dining room suite, rugs, odd furniture, breakfast set, washing machine, etc. Possession on some items may not be taken before Jan. 10, 1946. Arrangements made for your inspection by appointment. Call Sidney 4304.

Merry Christmas and a Happy New Year

seem to turn up at the toes? If so, it's probably Clarence (Scrooge) Murphy. It seems that insofar as shoe trees are concerned, it's not so much the initial cost as the upkeep. Scrooge has had difficulty in obtaining service parts for his shoe stretchers (at the right price), and so has given up the project.

Why not get a half-size larger, Murph?