The second		The first and the second second and second and a state of the second state of the second s	annet Caller an Estimation of Annet	and the second	
LOCAL AND PERSONAL.	LOCAL AND PERSONAL.	PINE GROVE MILLS.	ranged and the exterior painted, at a total cost of \$2300. S. E. Ward has	SANG REQUIEM OF THE HUM	Finds Telephone Is
- the second sec		1 9. mill Campbell is noused up mill	total cone de freeze et en	an order and a second second	Its Best Salesman
Farmers, on Monday, began farming	Beginning of the week was delight-	bronchial trouble; David Elder with influenza; and L. K. Strouse with blood		How the Cannon Roared During the	
in real earnest.	fully warm, but Wednesday we were	polsoning.	Thursday afternoon Clayton Corl and fiance, Miss Lucy Krebs, motored to	Glorious Offensive of the Forcat of Argonne.	A firm desting in veterinary suppli
	cold and shivering again.		Bellefonte and presented themselves at	or Prigonito.	might, of course, he expected to displ "horse sense" in the use of the telephon
Monday's and Tuesday's summer	Mrs. Sheridan P. Garis and children,		the Lutheran parsonage at 5 o'clock.	It was night in France and the great	Such a firm in Sloux Falls, S. D., has de
heat brought out the straw hats.	of Altoona, visited at the Byron Garis		Rev. Wilson P. Ard said the words that	Argonne offensive was on.	so and is congratulating itself upon fit
Butcher John Knarr had a busy af-	home in this place the past week.		made them man and wife. After con-	The section chiefs grew hoarse	ing out that the long distance wire is ju about the best salesman on its payroll.
ternoon on Monday when he slaugh-	-	town hall Tuesday evening of last		shouting their commands, the gunner corporals manipulated their sights	A traveling salesman, the firm has t
tered sixteen veal calves.	Mrs. Laura Lee is spending the pre-	week by our home talent was well ex-	town they returned to the bride's home	with speed and accuracy and the gun	vised the Northwestern Bell Telephone Co
-	Easter season with her daughter, Mrs.	ecuted and highly appreciated by a	on West Main Street where they were	crews eagerly put forth superhuman	pany, can reach approximately seven two customers a month at a cost of abo
Prof. L. O. Packer came in from	George E. Breon, and family, in Read-	crowded house. It will be reproduced		effort in serving their pieces which	\$525 for the month's work. Custome
Pittsburg on Saturday to spend a few	ing.	this Friday evening in Boal hall, Boals-		were being loaded and fired as quickly	within a radius of 200 miles are now be
days with his family in this place.	Mrs. Margaret Strohm opened her	burg. Don't fail to see it.	time. The groom is a son of Mr. and	as possible. The terrific detonations shook the forest which actually seemed	reached by telephone, and the firm is g ting into personal contact with about :
William H Baish has moved from	home for the summer. Mrs. L. W.		Mrs. W. K. Corl and served overseas,	like a live, throbbing, burning monster.	of its patrons at a cost of \$180 for t
State College to Boalsburg, having no-	Person, her daughter, is with her at	were in town Saturday evening.	returning to marry the girl he left be-	who vomited fire and flame, and roared	service, with a small additional amount
tified the Reporter of this change of	present.		hind. The bride is a splendid young	inhumanly with its terrible voice.	postage. Incidentally, the firm has adopted
ddress.	_		lady, a daughter of Mrs. Ada Krebs,	Every man in the four gun crews was	use of what it calls a "postal phonograt
	non. marry B. Scott, non. momas	bors in town Saturday evening.	and one of Ferguson township's popu-	soon rendered temporarily deaf. Lit	which is a postal card, printed to le
Otto Bailey arrived from San Fran-	Beaver, Treasurer L. Frank Mayes and		lar school teachers. Congratulations.	up by the ghastly flashes from the fire of their own guns, they looked like	like a telegraph blank, which carries a sa message and the further statement: "
risco, California, on Monday, and is	Commissioner George Yarnell were in	Louder, of Oak Hall, were within our gates on Sunday afternoon.	Installation of newly elected officers	veritable devils, their faces gleaning	will call your office by long distance to
spending a short time in Centre Hall	Centre Hall on Wednesday.	Fay Randolph and Elmer Whitmer	of Pennsvalley Lodge No. 276, I. O. O.	with fiendish joy as they leaped into	phone on Monday morning, January
with his sister and brother.	- Mar Harry C. Musson assembled	and George Harpster are among the	O. F., took place on Saturday evening.	the pit to shift the gun trail or sprang	and will be pleased to receive your and for any supplies you may need." T
-			Past D. D. Grand Master Ed. S. Erb. of State College, was the installing of-	te the wheels, at which they tugged	method permits the use of station
Don't let that sour stomach sour	by her little son, Clayton, and Miss	Mrs. Charlotte Keplar spent several		and pulled with might and main. It	station service and reduces the amount
your disposition and make your me	Vida Wolf, was a caller at the Report-	weeks with her daughter, Florence De	shall. A detachment of Canton No. 52	was exceedingly thresome work for the earnest lads. The rate of fire was so	the toll calls materially.
miserable, while Tanlac is ready to	er once on ruesury.	Vo Mead, at Washington, D. C., re-	of State College and a squad of State	rapid that it was necessary for them	autocoutoros Tuposia
give you relief. Get it nowCentre	The Centre Hall High school will			to pause occasionally in order to per-	SUBSCRIBERS THRONG
Hall Pharmacy.	hold a "Shadow Social" in the Grange	lighted.	a large number from Allegheny Gate-	mit the intensely heated places to gool.	TELEPHONE EXCHANG
E. E. Zettle is sporting a new Chev-	hall on Friday evening of next week,	Joseph Fleming and wife, Samuel		It presented a thrilling scene to see,	"What happens when you put through
rolet car and is learning to operate it.	for the benefit of the senior class.	Fleming and wife spent the week-end		Ir the dim light of the early dawn. a	telephone call? What does the inside
Mr. Zettle is a carpenter, and during	-	wth old friends near Allensville.	feast. The following officers were in-	stalwart lad, bareheaded, eyes heavy and red from the burning powder gas,	a telephone exchange look like? WI
the past few years has been employed	The Spring Mills community sale,	H. N. Musser, the Wanamaker at		his square jaws grimly set and shirt	kind of girls are telephone operators, as way?" These and hundreds of simil
about Johnstown.	last Saturday, was so successful that	Struble, is breaking ground for two		open at the throat, his arms bare to the	questions are asked, consciously or
the statement of the second statement of the	it was at once decided to hold a second		day; Recording Sec., C. M. Powley;	elbows and black with grease, standing	
	similar sale the first Saturday in May.	Charles Strouse is planning to build	R. S. to N. G., J. E McWilliams; Left	out there, swabbing out the steaming	subscribers. The New England Telephone and Te
school teaching at Centre Hill this	Miss Lila Brooks, daughter of Mr.	a new house at State College this sea-	Support to N. G., Ralph Judy; Ward-	gun with the slender rammer. A lanyard broke from too constant use	
week, has gone to State College and	and Mrs. Richard Brooks, west of Cen-	son.	en, Wm. H. Fry; Conductor, J. H.	on one of the guns. Not hesitating a	its subscribers the opportunity of find
will be employed for the summer on	tre Hall, who five weeks ago broke her	C. M. McCormick and wife were	Baily; Chaplain, R. M. Krebs; Outside	moment to repair it, the "No. 1" man	out the answer to these questi as
the Samuel Hess farm.	ankle in a fall while doing work about		Guard, Charles Gates; Inside Guard, J.	simply used his fingers to draw back	themselves. The project was designated "Telephone Week" and during the per
S. C. Brungart began work in the	the house, is not yet able to walk, but	home.	D. Neidigh; Right Support to V. G.,	the "striker," A lad fell limp and ex-	every subscriber of the company was gi
L. L. Smith auto garage after an en-	the fracture is apparently knitting.	ney and wife, and Mrs. Anna Reed	P. C. Ward; Left Support to V. G.,	hausted into the gun pit, but was	
orce idleness of several weeks due to	-	motored to Altoona on Saturday on a		quickly pulled out of danger, where	
having undergone an operation for	Ten dollars for each month's service,	shopping tour.		he lay quite still and was undisturbed by the terrible barrage. Another man	I a destable of the seconds loopt of
nernia. He is feeling fine now, he	with 25 per cent additional for overseas		Orphanage, Paul C. Ward.	quickly took his comrade's place.	various exchanges shows that during
ays.	service, is to be paid world war veter-			So the terrible fight continued. The	six days the number of visitors was fellows: Monday, 9.124; Tuesday, 25,
	ans of Maryland under the provisions		Dr. Scalle New Moderator.	great iron orchestra played its terrible	Wednesday, \$7,968; Thursday, 49,692;
The directors of the Lewistown Pure	of a bill which passed the Maryland		With probably 100 ministers and del-	symphony madly until ten o'clock in	day, 72.113 and Saturday, 59.462.
filk Company have purchased the	House of Delegates with only four	Rev. Jamison, of he Susquehanna University, will fill all the regular ap-	egates registered, the Huntinguou	the morning, when the tired musicians began one by one, to lay aside their	
reamery building and equipment of		pointments on the charge next Sun-	Trespycery began no opinig scooles in	weary instruments, for the score they	displayed great interest in the things
he Mt. Union Creamery Company.	by the people.	day and conduct the election of a new	the Presbyterian church at Philipsburg	had been playing had sent the Fritz-	were shown them and many of them
The same will be put in operation at	of the people.	pastor. Rev. English of Williamsport	on alonday morning.	ies scampering over the hills and far	clared that they had resolved to make effort toward better co-operation with
once.	Captain Roland Amundsen, Arctic		ney, Larad B. Curry, the returns	away.	telephone company and its employees a
William Brenna, wife and son, of	explorer, and four flying companions,	evening at 7:39. The parsonage is be-	moderator, delivered the opening ser-	/	result of their visits.
Filmore' Mrs J. H. Lutz, Russel King	turned over when forced down in a	ing repaired with three additional	The car the car of the second states	Most of the Potter township schools	
and Miss Mary Mechley, of near Jack-	field near Clarion. The captain and	rooms and bath; the interior re-ar-		close this week.	The Centre Reporter, \$1.50 a ye
onville, were Sunday guests of Mr.	one of the men with him were slightly		1		
and Mrs. Chas. T. Crust, east of Cen-	injured. Those with Captain Amund-			-	
re Hall-	sen were H. T. Lewis, of Bellefonte,	0 0 .9			VARY
-	Pa.; H. U. Gade, of New York; E.	Procidont's	Words He	ALC MADISON	SQUARE GARDEN
R. I. Webber, president of State Col-	Buhl and U. Ondell.	I I CONCELL O	AN ON MO THE	ulu i i	1 1 1
ege council, is advocating the issuance				A A	
of bonds to the amount of \$45,000 to be	Important Article of Diet Among	1 1 0 0 0	0 • •		
used in making needed improvements	South American Indians Should	DET DE BESS	0 in Three	1 TTAC	
n the borough and the purchase of a	Find Ready Apprecia-	UV 100.000		CILICO III	
chemical fire engine-	tion Here.			E states	(Commenter and

The Logan Iron & Steel Company plant at Burnham is running full time in all departments. The compa

If the war had lasted much longer ao doubt we would have been using any ha eal Indian flour by now-flour made from the yuca, or manioc or cassava plant-a tropical shrub which grows to a height of six feet. Herbert J. Spinden of the staff of the American Museum of Natural History, who has spent much time in Central and South America, recently described the yuca

fresh vegetable.

received a large order for staybolt iron to be used in locomotives. All employees were instructed to report for work.

The last public sale this spring of farm stock and implements was that of John D. Moore, on the Benner farm, near Old Fort, on Friday of last week-There were an unusually large number of people in attendance, the day having been an ideal one for a sale.

Several pieces of heavy harness were stolen from the barn on the J. C. Goodhart farm one day last week. Elmer Lingle, the tenant, had not yet moved onto the farm, but some of the stock and harness had already been placed there, giving the thief a fine opportunity to work undisturbed.

Samuel Gingerich advises all auto owners to lock their tool boxes when leaving their cars stand unguarded. He gives this advice because he did not follow it himself while attending the W. H. Homan sale, a short time ago, and as a consequence every tool he had in the car is doing service for some one else.

Something over \$73.00 were the door receipts on the play, "Prof. Pepp," given in Grange hall last Friday evening, by local talent, under the auspices of the P. O. S. of A. Many favorable expressions on the merits of the play and for those performing the various parts were heard. There is some thought of rendering the play at one or more of the neighboring towns.

Last week mention was made of Stephen Baudice having moved onto the Brockerhoff farm, near Old Fort, which was an error, the gentleman's name who occupies the place being Stephen Mattis. Last week one of Mr Mattis' sons, aged about fifteen years, was kicked in the face by a horse he was leading. The animal was in a playful mood, but the result might have been much more serious.

Permit us to call the attention o delinquent subscribers to the matter of paying money due on subscription at this time. Our many bills must be met monthly, and while yours may be only a triffe-a matter of a few dollarsmany small accounts like this mean much in the aggregate and keep us tied down financially. Look at your label today-it shows clearly to what date you are paid, and if you see it to be in arrears, a prompt remittance will be received with many thanks. The Publishers.

and its value as a food. Manioc flour, he said, is made from the root of the manioc. It is probably the principal food of the Indians of the wet lowlands of South America. and is also much used in the West Indies. Two species of manioc are known, of which one contains hydrocyanic acid, a poisonous juice which has to be extracted by a special process, while the other is non-poisonous. This latter variety is, however, generally considered to furnish an inferior meal, and is used chiefly as a

In making manloe flour, the very juicy roots of the plant, which somewhat resemble sweet potatoes in shape, are grated according to Italian fashion on a board set with rock crystals. The grated meal must then be subjected to high pressure in order to drive off the poisonous juice. The Indians accomplish this by stuffing the meal into a basket tube, which is then stretched out so that its volume is decreased. Really tremendous pressure is exerted by this simple machine. The poisonous fluid is drained through the basket-work into pottery vessels. The meal is then taken out of the tube and used chiefly for making thin wafers, often of large size, which are slightly browned on either side by baking on griddles. These cakes will last for a long time and are considered excellent food.

But it is the general utility of this plant that would truly delight Mr. Hoover's heart. For besides the flour, the plant yields an excellent starch, a condiment, and taploca-the lastnamed being the principal article of commerce derived from the yuca. The starch is contained in the polsonous juice which is extracted from the meal. The starch is allowed to settle in the fluid, which is then poured off. In certain places, the manioc meal is not subjected to pressure, but is thoroughly stirred in water in order to extract the largest possible amount of starch. Manloc starch, which commands a higher price in the tropics than corn starch, is generally regarded as of the highest quality. After the extraction of the starch, the juice of the yuca is subjected to heat sufficient to destroy the poison in it. It is then used as a condiment (cassareep). This extract, which has a sharp, peppery quality, has considerable commercial value, and serves as a base for certain table sauces and for the soup known as Philadelphia pepper pot. Tapioca is obtained by heating the starch while it is moist.

The Centre Reporter, \$1.50 a year.

SAN FRANCISCO CIVIC AUDITORIUM WASHINGTON MEMORIAL TROL ROOM Control Room containing Amplifiers and other Electrical Equipment of Loud-Speaker. During use the Apparatus is under Constant Supervision.

By ROBERT W. KING

What does it mean to amplify an electric current three thousand million million million times? Or perhaps you prefer to read it as 2,000,000,000,000,000,000, 000,000,000 times. This number, which is probably more enormous even than those with which the astronomers delight to stagger the imagination, is an every day affair with the telephone engineers who arranged the loud-speakers which were used on Armistice Day to carry President Harding's message to 150,000 persons, the largest crowd which ever heard a speaker at a single time.

The number three thousand million mil lion million million represents the amplification which the electric current received that carried President Harding's words, across the continent and made them audible to 20,000 persons in New York and 20,000 persons in San Francisco at the same time that they were heard by over 100,000 in Washington. This remarkable achievement is the outcome of many recent scientific discoveries which have emanated from the research laboratories of the world's universities and have been applied in a practical way by the Bell telephone engineers.

nething , new on the face of the earth" is the expression which irresistibly comes to one's mind as he pictures the huge loud-speakers which were installed at Washington, New York and San Francisco and joined by a single thread-like circuit which stretched out across 3,500 miles of open country and which brought the voices of the speakers and the impressive music of the ceremony to each one of the 150,000 listeners, as clearly as though he had him- certainly will be for the better as it will

self been a specially invited guest to the "Voices from Heaven." exclaimed many portant dates in American history.

the loud-speaker, it is scarcely more startling to the imagination than are the po-

he so desires, without leaving his seat of commencement exercises, political industrial relations, an influence which

which ever-increasing numbers and distances have gradually eliminated. The Armistice Day program could have been extended to many other cities but for the fact that many of the methods and much of the apparatus used in connection with loud-speakers have but recently been perfected and the parts required could not be manufactured in time.

View of Memorial Amphitheatre at Arlington Showing Portion of Crowd of 100,000 that

Assembled on Armistice Day and Heard President Harding with Perfect Clearness.

Although the amplification of an electric current a trillion trillion times is a spectacular feature of the achievement, the engincers who have developed the loudspeaker assert that it was not in this connection that they encountered their greatest difficulties. The sounds of the voice are made up of countless minute and very rapid waves and the amplifiers must function so perfectly that they treat all the hundreds of waves alike. If the apparatus were selective so as to amplify certain waves more than others, the natural quality of the voice would be entirely lost and the sounds supplied by the loud-speaker would be harsh and metallic or even entirely unintelligible. The high perfection to which the apparatus had been brought on Armistice Day was such that a listener even 500 feet from the loud-speaker in New York or San Francisco could hear the services in Washington with perfect ease and distinctness, and even the most literal-minded found it hard to believe that they were not actually within sight of the impressive burial ceremony. The electrical system used on Armistice

do much to restore the personal element | Day comprises essentially two distinct sets of equipment. For conveying speech to distant places the most improved type of telephone circuit is employed. This circuit, a development made within the last two years by the American Telephone and Telegraph Company, formed the path by which the voice currents from Washington traveled to New York and San Francisco. At these terminal points the received current was greatly amplified and reconverted into voice waves in the air. In traversing the transcontinental telephone circuit, the voice current becomes weaker and weaker so that it is necessary to insert amplifiers at regular intervals to restore it to its proper value. These amplifiers or telephone repeaters, are located across the country at intervals of about 250 miles and they produce a total amplification of three thousand million million fold.

Upon being delivered to the loud-speaker at the terminal points, the voice current is only large enough to operate the familiar telephone receiver. To produce speech loud enough to reach many thousands of persons requires a great deal of energy as any reader must know who has tried it. This energy is supplied by the large amplifiers associated with the loud-speakers. These amplifiers do not differ in principle from the telephone repeaters spaced along the transcontinental circuit but they are many times more powerful, a single amplifier, for example, being capable of amplifying the energy of the voice current which it receives at least a million million times.

ceremonies at Arlington. of the audiences as they listened with marked emotion to the hymns and prayers which commemorated one of the most im-

Unbellevably great as is the power of

tential uses of this triumph of science. It will fill a long-felt want in carrying the orator's words to the largest crowds and in enabling audiences in distant cities to participate in important ceremonics. Indeed, it is likely to bring about as fundamental a change in the political and industrial worlds as the telephone itself. The success of the telephone equipment used on Armistice Day means, for example, that the President of the United States, if

government, may talk to audiences asembled in every state in the Union, or that the head of an industrial corporation from his office will be able to address, simultaneously, his workers gathered in plants all over the country: likewise college speeches, lectures, musical festivals, in fact all forms of entertainment, can be transmitted to any number of audiences of almost any size at one and the same time. The new device bids fair to exert a profound influence upon political activities and

