

RUSSIANS DIG IN TO RETAIN GAINS

Battle Grows Even Piercer, As Nazis Claim to Have Taken Offensive.

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German and Rumanian troops had been on the offensive for the past two days.

150 Tanks in One Battle

Dispatches from Moscow said that Soviet tank forces, riding on tanks and presumably using the new two-man anti-tank rifles, had aided mobile anti-tank forces in crushing repeated and stronger Nazi tank counter-attacks, especially on the southern front, where 15,000 axis troops were officially reported killed in three days.

In one typical engagement 150 axis tanks dug a wedge between Soviet positions. Russian tank forces on tanks swiftly swung behind the attacking forces and artillery units shifted in half a circle to catch the enemy between devastating cross fire and knock out 75 vehicles before the others retreated, according to the Russian accounts.

Week-end May Be Decisive

Other Russian dispatches said that Red army troops had broken into another fortified place before Kharkov in a heavy battle at close quarters.

On the German side, a Nazi communiqué said that the Russian attacks on the Kharkov front had failed completely, that the axis had taken the offensive and that the outcome of the battle might be decided over the week-end. The Nazis were using all types of assault units, including air-borne troops and paratroopers.

It appeared that the axis was not attempting to overcome its heavy losses (including around 500 tanks) by shooting the works in an effort to get a big-scale offensive moving.

Tanks Shifted Quickly

Moscow dispatches acknowledged that fighting was growing heavier and that the Nazis were rapidly maneuvering groups of 40 to 60 tanks from one sector to another, warding off Red army blows and repeatedly counter-attacking.

Berlin's communiqué said 20 Russian infantry divisions, three cavalry divisions and 15 armored brigades had failed in the onslaught against Kharkov and that the Soviet supply lines had now been cut. Twenty-three divisions would be probably 300,000 men.

PLAY EQUIPMENT FOR SCHOOL 10 PROMISED

School 10 at 13th st. and Ashland ave. will have a complete set of playground apparatus installed this summer for the first time, J. P. Rooney, assistant director of the city recreation department, said today.

Final details are scheduled to be worked out at a meeting at 2 p. m. Monday between Mr. Rooney, the recreation committee of the parent-teacher association and Miss Frieda Popp, principal.

The recreation department operated a playground across the street from the school last year, but, with school board approval, the change has been made in order to reduce the safety hazard and to take advantage of the larger grounds, greater shade and superior accommodations. The ground is entirely fenced.

HAVANA IS WARNED IN SUB BROADCAST

HAVANA, May 23 (U. P.).—The newspaper El Crisol said today that a German submarine which reported it was only a half mile off the Havana coast broadcast messages to the Cuban government and people promising a "shocking surprise very soon."

A banner headline over the story proclaimed, "Nazi U-Boats Threaten to Shell Havana."

Messages were broadcast in perfect Spanish, the story said, and one described landmarks in Havana and said that the city and its suburbs were clearly visible from the submarine.

WILLKIE RETURNS TO NEW YORK CITY

RUSHVILLE, Ind., May 23 (U. P.).—Wendell L. Willkie, who opposed President Roosevelt in the 1940 presidential race, ended his week's vacation here yesterday, returning to New York by train.

Mrs. Willkie remained with her mother, Mrs. Phil Willk, for a further visit.

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City Schools Keying All Maps to Flying Age; Old 'Flat' Idea Discarded for Global Picture

By EARL RICHERT

WHEN YOU WENT TO school, didn't you feel sort of sorry for those folks who learned from their geographies centuries ago that the world was flat?

Well, we 1942 adults today find ourselves in the same boat. Our children will be laughing at the geographies we studied. For our geographies taught us a concept of the world that has been changed just as drastically by the development of aviation as the concept of the world was changed by the discovery that the world was round.



We were taught to think of the world as composed of continents separated by bodies of water. That concept today is all wrong.

OUR CHILDREN ARE being and will be taught to regard the land we live on as the bottom of an "ocean of air."

It is an ocean, they will be taught, the potential pathways of which connect all points on the earth's surface. They will be taught to forget, for the most part, that continents are separated by bodies of water. Instruction of this sort is being put into effect now in the Indianapolis public schools and by this time next year this new concept, called "aerography," will be common to all school children.

Instead of studying flat maps like we studied showing the sea distance, for example, between New York and Moscow they will be using maps which "look down" on the world from the North Pole.

These polar projection maps will give a true picture of air distances—the only kind of distances that count today. They will show the pupil, for example, that by air Moscow is 600 miles closer to New York than Seattle.

Others Shocked, too

IF YOU'RE SHOCKED by all this, don't feel bad. You're not alone.

DeWitt S. Morgan, superintendent of the Indianapolis city schools who is charged with orienting the school children to the new concept and problems resulting from air transportation, says that all this has given his mind the "greatest shock" in years.

"We've just got to get our minds in another gear, that's all," he said.

Because of aviation, he said most of the world (seven-eighths of which is above the equator) now revolves around the Arctic because the shortest air distance between most countries is above the Arctic ocean.

The stratosphere above the Arctic is only four miles high and the temperature is only 10 degrees below zero while the stratosphere above the equator is 11 miles high and the temperature is 107 degrees below zero, he says.

So, practically all long distance stratosphere travel of the future will be above the Arctic.

Other Studies Conform

GEOGRAPHY IS not the only subject that will be changed as the result of the new world that the development of aviation is creating.

Practically all other subjects

are being or will be molded to conform to the new "air age."

In his English class, Johnny will be asked to write an essay on gliding. In biology, the teacher will ask him why human beings are limited physically in high altitude flying.

In his history class, he'll have to discuss the effects of aviation on the Monroe Doctrine and in his physics class he'll be asked how plane gravity is counteracted by plane lift.

A typical mathematics problem will be: If a P-40 has a flying speed of 370 m. p. h., how long will it take it to go 1000 miles with a head wind of 30 m. p. h.?

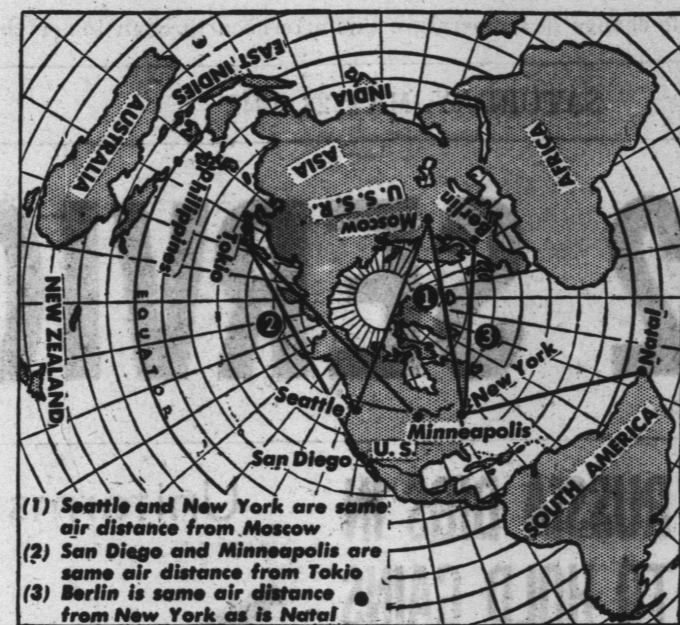
In sociology class, the pupils will discuss the effect of aviation on population and in geography they will discuss the time distances between cities rather than the miles.

From Birds to Planes

IN THE PRIMARY, the children will be asked "how many is one plane plus one plane?" in place of the present "how many is one bird plus one bird?"

In addition to molding the present school subjects to the air age, new ones pertaining to aviation will be introduced.

All Indianapolis high schools are now making plans for the institution next fall of a one year elective course which embodies the various sciences which have a bearing on aeronautics. This course will deal with such subjects as meteorology, navigation and aerodynamics.



Above is a polar projection of the world which gives a true picture. Below is the commonly-used "flat" map which gives a false impression. Note 1, 2 and 3 in the top map which shows foreign cities equidistant from certain U. S. cities. Now look . . .



At this flat map, the same distances as in the polar map are shown. But the deceptive "flat" projection makes them seem of varying lengths. For example, Moscow seems much farther from Seattle than it does from New York. Actually, the aerial distance as seen in the top map is the same.

Some of the high schools plan to offer the new course this summer. (A two-year ground course in airplane mechanics has been offered at Tech for the past 15 years.)

This new type of instruction, of course, will necessitate a great deal of home work on the part of the teachers, according to Mr. Morgan.

Air-Minded Era Ahead

BUT THEY will be helped by a series of handbooks, manuals and documents now being drawn up for them by a group of educators working with the civil aeronautics administration of the

HULL WARNS OF OVER-OPTIMISM

People Anticipate Too Early Victory, He Says; Calls For More Effort.

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seeing the rapidly increasing strength of the United States and United Nations successes in various places, are inclined to anticipate an earlier victory than they had heretofore expected.

"We can too easily be over-optimistic. We are in a hard fight which will be won only by the combined all-out efforts of all our people and all of the United Nations."

"We should accept our successes in a spirit of sober thanksgiving and meet our reverses with a grim determination to fight all the harder to ultimate and complete victory."

"I have said it recently but I repeat because it is most important: Victory will come sooner and with a vast saving in suffering, in life and in property in proportion as every man and woman in this country and each of the United Nations realizes the extreme danger from the purposes of the worst barbarian leaders in all history who plan to conquer and brutally subjugate the world by methods of unparalleled savagery."

Repeats Warning

"Victory will be hastened by every additional ounce of effort which each one of us puts forth in a situation that is as threatening as if his own house were on fire. It will be delayed and will involve an incalculable and unnecessary increase in suffering and in losses with any weakening of such realization and with any lagging in effort and exertion."

The remarks which he repeated were those he made recently when he returned from a vacation in Florida.

Mr. Hull, in response to a question at his press conference Wednesday, said the powers and facilities of the United Nations were going forward, with more effectiveness, first on an offensive-defensive and then an outright offensive. He said correspondents could make their own calculations as to the effect of this on the duration of the war.

But a high government official who declined to permit use of his name, said that yesterday President Roosevelt told his press conference this country faces the prospect of an awfully long war and should not be unduly optimistic about the progress of the conflict.

Urges Guerrilla Training in U. S.

WASHINGTON, May 23 (U. P.).—The American people were urged today to study details of guerrilla warfare as a vital factor in home defense "despite the seeming remoteness of invasion."

The advocate of guerrilla preparations was Lieut. Col. Joseph L. Greene, editor of The Infantry Journal, who said he made the plea personally and not as an official.

War department officials said there are no plans at present to train the civilian population in behind-the-line combat tactics, but added that they are maintaining a close study of such operations and keeping abreast of latest developments.

PORTLAND SHIPYARD SETS 'MIRACLE' PACE

WASHINGTON, May 23 (U. P.).—A Portland, Ore., shipyard which shattered all records by delivering a 10,000-ton freighter 60 days after the keel was laid, today, set the pace for American shipyards which, in the words of President Roosevelt, are performing a "near miracle" in turning out sorely needed shipping.

Joining other high ranking officials in observance of maritime day, marked by launching of 27 new cargo vessels, Mr. Roosevelt praised the nation's shipyards for their "outstanding achievement" in increasing productive capacity more than 500 per cent in "a little more than a year."

Despite this progress, he added, the nation still is confronted with a serious ship shortage, partly because of the "heavy toll" taken by axis undersea raiders. But, he said, the submarine menace he said, like other problems "is being solved."

"Our ships are going through," he said, "and will continue to go through in growing numbers."

HARRY DICKS, HERE 40 YEARS, IS DEAD

Harry Dicks, a retired telegraph operator, died today at Methodist hospital. He was 73 and lived at 1509 Sheldon st.

Mr. Dicks had been a resident of Indianapolis 40 years. He was born in Greencastle and was a member of the Fortville Methodist church.

Survivors are a son, Kenneth L. New York; a brother, Morton, Indianapolis, and two sisters, Mrs. Carrie McVey, Indianapolis, and Mrs. Ruby Swinn, Shoshone, Idaho.

Funeral services will be held at 2 p. m. Monday in the Plummer & Buchanan mortuary, with burial in Memorial Park.

DEWEY CLAIMS FISH THREATENS ATTACK

NEW YORK, May 23 (U. P.).—Thomas E. Dewey charged today that Rep. Hamilton Fish Jr. had threatened to "launch a personal attack" upon him, because Mr. Dewey is unalterably opposed to Rep. Fish's efforts to get himself re-elected from the 28th congressional district.

WASHINGTON Calling

A Weekly Sizeup by the Washington Staff of the Scripps-Howard Newspapers

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A card holders can use their 3 gallons a week any way they want. Owners of two or more cars got ration cards for each with no test applied of their need for more than one car.

BOSS FRANK HAGUE of Jersey City is running into trouble trying to get Thos. F. Meaney, his candidate for federal bench, approved by senate. President Roosevelt, who appointed Mr. Meaney, is not expected to intervene with judiciary committee.

PLAN TO PERMIT absent soldiers, sailors, marines to vote on federal candidates this fall probably will fail, though all branches of government want it. Reason:

1. State poll taxes. If congress decided it could waive them this year, it might abolish them next.

2. Count of ballots from overseas would disclose important military secrets.

CORNER GROCERY MAY GET ONE BREAK. His prices are higher because packers, canners, big retail buyers were allowed price differentials on basis of past classifications. But with packers setting aside huge amounts for armed forces, scarcities may force channeling of goods to little fellow.

OPA GETS INCREASING pressure from congress for patronage jobs, in filling its large field forces. It's yielded in scattered instances, for the most part has kept jobs non-political. Henderson wants 90,000 more employees to run OPA, \$200,000,000 more appropriation.

FEELING AMONG CONGRESSMEN that they're in the doghouse is behind move for a 45-day pre-election recess. Midwestern Republicans are particularly chilled by Gallup poll figures, indicating heavy Democratic gains in their territory. They've piped down on criticism, are talking up winning the war.

CHILLING NOTE: Rep. Chas. I. Faddis (R. Pa.), was defeated in primaries a few days after defending his use of X card for unlimited gasoline for election campaigns as well as official duties.

UTILITIES COMPANIES needn't expect moratorium on federal power commission demand that they put books on original cost basis. Commission says action now will get companies ready for problems confronting them when peace comes.

Navy's Tomato Plant Even Spouts Chilled Juice (??)

By FREMONT POWER, Times Tomato Editor

A TOMATO is a wonderful thing.

It builds up the body, calms the troubled mind and wards off evil spirits, or so they tell me. But it wasn't until being commissioned The Times' tomato editor that I found out what this growth does to the mind.

WE CAN TAKE IT AS A SHIP AND USE IT FOR A SHADE TREE

YEAH! AND SWING OUR HAMMOCKS ON IT!

For instance, in the huge stack of two letters which have piled up in the tomato department, there is one from a G. T. Buffington. Mr. Buffington, it appears, is one of the boys out at the naval armory. That, and also secretary-treasurer of the recently formed Teeming Tomato Juice, Inc.

He writes: "After planting two tomato plants in the unusual manner outlined in The Times . . . we were amazed at the manner in which the tomatoes flourished."

(Editor's Note—Us, too.)

"One of these plants is situated near our bunk and . . . is actually producing tomato juice (chilled) at the rate of 14 barrels per day."

"When you consider the fact that . . . due to myriad duties we have been unable to devote much time to this project, the potentialities of this plan seem fantastic."

Indeed, Mr. Buffington, they do. Indeed.

THEN COMES a communication from an H. H. Browning of 50 W. 64th st. He writes: "My wife offers to convert your tomato crop into juice or canned tomatoes, free of charge, and present the pack to you—provided you furnish the containers (especially,

the rubber rings) and the necessary transportation."

Mr. Browning, however, raised a finger of warning.

"I don't see how you hope to take something out of the ground without putting something in, in the way of food elements," he wrote. "Of course, you can do this year, and maybe next—and maybe for the next 10 years. But after a while you will have robbed the ground, and you'll begin to pay the penalty."

Gosh, Mr. Browning, you really mean that?

Take Your Choice

MR. BROWNING further suggests that the time has come to decide whether I'm raising a tomato ("a" as in late), a tomato ("a" as in father) or a tomato ("a" as in fat).

Well, Mr. Browning, I'm calling it a tomato ("a" as in late). The only people who call 'em tomato-a-a-a-toes is a bunch of them durned Easterners who think that a mayor of Indianapolis would be wearing war feathers in his hat, which, I'm told, Mayor Sullivan never does.

With the short "a" pronunciation, tomato sounds like the crying of frightened sheep.

Mr. Browning says, too, that "I'm naming my choicest plant (the one that is already blooming) the Fremont Power." He says, too, he's putting up a plaque with the name on it on a 2x4 by which the plant is supported.

Now who said there is no future in journalism?

Come on and Perk!

A FUTURE, that is, if that plant of mine at Central library, perks up a little.

I dug the hole three feet deep, put corn cobs in the bottom, ran a pipe for water down to them, filled the hole and planted the tomato—all as per instructions.

But the plagued thing isn't looking any too good, and I'm not sleeping any too well. The boss says if this thing doesn't work right, my days as an editor are over.

It's a tight spot, all right. Let you know more about it, later.

Doubt Gas Rationing Here Would Aid in War Effort

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and William H. Book, Indianapolis Chamber of Commerce executive secretary.

Mr. Williams said: "Officials in Washington lay the need for gasoline rationing to the need for tire conservation but if this is so the rationing should be placed directly upon rubber and not gasoline." He added:

"Tires which sit idle when the car is in the garage will deteriorate as much in six months as they would if the car were driven conservatively for the same period of time."

"Another important fact to consider is that if gasoline is rationed the excess volume cannot just be thrown away, and if gasoline production is curtailed, which it will be if the rationing program is broadened, there will be a shortage of aviation gasoline. This is because aviation gasoline comes out of the distillery after commercial gasoline is produced and there is no way to convert commercial gasoline so that it can be made in the nation's modern warplanes."

A spokesman for the Indiana Hotel association, said that gasoline rationing would practically put an end to business at resort hotels in Indiana. He said he could assure the committee of 3600 individuals who willingly write letters to congressmen explaining "that we will be out of work if rationing of gasoline becomes effective in Indiana."

Mr. Sloops pointed out that a decrease in motoring would cause the state's revenue from gasoline tax to fall off. He said that even during the emergency the highways of the state "must be kept in good repair for the nation's defense."

He added that if cars were put in garages motorists would begin to ask for refunds on their license plates and that a motorist who could only obtain three gallons of gasoline a week might not deem it worth while to pay the \$5 federal use tax, due July 1, and would put up his car instead.

Many persons at the meeting said they felt that "the rationing program for the Midwest was being urged by certain persons in Washington who were not fully informed on the petroleum industry and Midwestern conditions."

SUES DIES FOR \$75,000

WASHINGTON, May 23 (U. P.). Chairman Martin Dies of the house committee investigating un-American activities, today was sued for \$75,000 damages in a libel action by David B. Vaughan, official of the board of economic warfare, whom Rep. Dies has accused of being affiliated with the Communist party.