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NORTHERN NEIGHBORS

JUNE
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Peace — Work — Freedom — Equality — Friendship — Health & Happiness for all Peoples!



"To books I owe all the good in me," said Maxim Gorky. That's the motto of Mikhail Chuvanov (left), celebrating his 95th birthday at the House of Writers in Moscow. Vigorous and youthful, Mikhail's life work has been collecting books. His library now holds 200,000 volumes. Many are priceless and will go to the State Library. Young Nadya Freidina also collects books and came to the birthday party to get advice. Mikhail never had any higher education, just "grew" with his collection. He's honored by the Soviet Society of Bibliophiles, chairman Ivan Petryanov-Sokolov, in center.

About Chernobyl and other Soviet nuclear projects
Pages 2, 4, 10

Unusual opportunity to get three books in one and for free Page -25

NORTHERN NEIGHBORS

The Magazine of Socialism in Action

GRAVENHURST — ONTARIO — CANADA

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SO YOU WANT ME TO "ANSWER" CHERNOBYL?

I think all 'NN' Readers remember how this magazine has stressed the nuclear-reactor safety program carried out in the USSR.

So Chernobyl proves *what?*

Either that program was **not** applied in the Chernobyl station. Or, no safety program works **every time**.

The media here made much of a Soviet statement hinting that perhaps "human error" caused the explosion which started the breakdown. I'm very sceptical of that. My feeling is that their elaborate safety measures involved (as NN reported) every conceivable kind of equipment problem, and how to prevent or stop it. So it could be that scientists and engineers simply **did not conceive** of the problem that did develop.

But I'm not going to "imagine" what happened. We'll find out. When we do I promise to give full details in this magazine.

SOMEBODY SENT ME A "GET SMART" LETTER

This friend was very mad. Mad at the media and the anti-nuclear-power movement and all faint-hearted progressives who fear that the Soviet Union's drive for maximum energy from the atom is a terrible mistake.

"Get smart!" this friend said. "Thousands perished in **ships**, but no one proposed banning them. Hundreds every year are splattered to death in **aircraft**. But no one calls for banning planes. And it now turns out that Canadians in several areas (no doubt Americans also) are being stricken by deadly **dioxins** and **mercury**. But so far no calls for shutting down industry. You only have to look at **traffic**: why not attack USSR for mass-producing cars that are slaughtering thousands every year?"

My friend ended thus: "Get smart! When the anti-nukes parade against tobacco and alcohol, I'll listen to them."

STICKING MY NECK OUT HERE

First, I'm sure the remaining three nuclear power units in Chernobyl will soon be back in full operation. They worked very efficiently for years.

Second, the USSR will even speed up its program for using nuclear energy to advance their industrial output. It's the only way to go, for modern nations, and for people who are concerned about the terrible scale of pollution caused by burning fuels.

Third, the next big nuclear advance (fusion energy) is coming reasonably soon. See Page-10 in this issue.

NAMES, MORE, AND MORE NAMES, AGAIN REMEMBERED

As you'll find on Page-18, The Charlotte Carter Memorial Fund Inc. has issued its newest "Listing of Names". More names than ever.

This Fund is unique. Not only are donations put to powerful use, mainly in publications, but the **donors** also are memorialized.

The Fund's purpose is to aid in every way possible the *Liberation of Mankind*. You can join in that right away.

NN's Quote-of-the-Month — "The people of the world seem more like people in my own neighborhood. I think they are more like me than I ever realized. I guess that's the most important change inside me. Sometimes I still worry that the next day will be the last day of the Earth. But with more people thinking about the problems of the world, I hope that someday soon we will find the way to world peace. Maybe someone will show us the way." (Samantha Smith, on her return from her remarkable trip to the Soviet Union.)

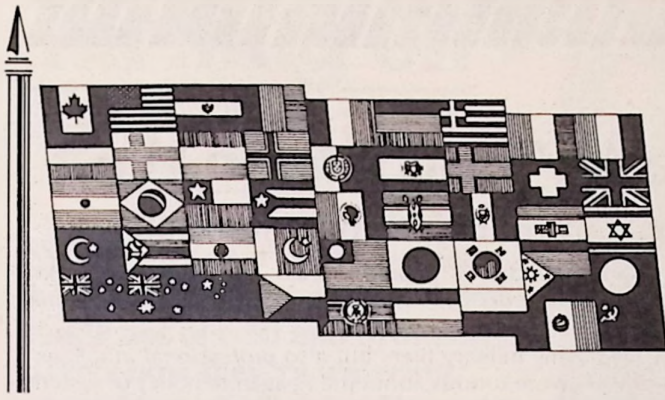
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You'd be surprised to find how many intelligent people "**react**" well to NN if they see it. We'll mail them copies if you'll send us their names. But, if you prefer, our "**Four People Plan**" still works. Send us four names-and-addresses, plus Five Dollars, and we'll send those people NN not just once, but **three times, three issues**.



Why Free Trade is dying out

Before you take sides in Canada's great debate over Free Trade with USA, you should note that history is already laughing. Counter-Trade is what's new.

Contrary to what some people think, Counter-Trade is not "barter" (exchanging one kind of goods for another). Few have heard of it yet, but it's so important in economic life that France set up a special center to handle this way of doing business, back in 1977; now USA has its own set-up. The UN Economic Commission for Europe, and the Organization for Economic Cooperation both spend much effort on developing Counter-Trade.

Although our business papers hush it up, **one third of all the world's commerce** is now done this way. With very big gains predicted in the next few years.

Counter-Trade means **buying** something big (like a factory to make robots), in one nation, and then paying for it by **selling** that nation **the robots produced**.

The huge multi-national corporations **hate this**. It is **less profitable** than trading on the "open market". It **takes away their control** of the world market.

Some claim Counter-Trade is only a form of primitive barter. But that's simply untrue. It's right up front in the high-technology world. Economically, Counter-Trade brings widespread benefits (over and above profit) to countries that plan it carefully.

Financiers the world over were surprised recently when no less an authority than Daniel Nash, boss of the giant Citi-Corp Bank of USA, said that **Free Trade really doesn't exist any more**. "Gone are the days when everything sold for cash."

First, because most nations (and corporations) can't easily find billions of cash dollars to make today's king-size deals. Then, many nations cannot develop the international sales they need, without making **mutually beneficial deals purchases** from other countries.

Third, Counter-Trade is often a way to develop big business for dozens of **small companies**, who pool their resources to make huge trades possible.

Regardless of what the multi-nationals would like, over 60 percent of all world trade today is in one way or another "regulated". **Not free at all**. Counter-Trade is the fastest-growing form of "regulation", and is developed above "company level", right up at the top, with **government regulation**.

Even in capitalist circles it's now widely understood that if you want to make **big sales** today you've got to counter them with **big buys**. That's why Counter-Trade is growing so rapidly.

Where does the Socialist Soviet Union come into this?

For a long time the West damned the USSR for trying to "bring Socialism in through the back door". But the joke is that Counter-Trade **now** accounts for "only" 33 billion dollars of East-West trade, while Counter-Trade between capitalist nations has soared to **80 billion dollars a year!**

And the latest facts show that the multi-nationals themselves have had to set up over 250 Counter-Trade divisions to promote this new kind of commerce.

Why don't they favor it? Because the USSR has shown the way to make long-term counter-trades, involving big projects, and requiring extensive **cooperative efforts**.

As you may guess, when Socialism "trades" the output of a new factory, or oil field, for billions worth of machinery, or pipe-lines, this **side-steps the international banking-credit system** which is so hugely profitable for Capitalism.

Maybe you prefer to simplify this approach. Socialism (which makes no banking profit) doesn't plan its progress in terms of billions-of-dollars, but in terms of **real things**: factories, oil fields, machinery, energy. "Commodities" that can be introduced into the people's economy, in terms of higher living-standards.

So, Counter-Trade is forever reminding its partners that the world's economy can prosper without being dependent solely on borrowing and repaying billions.

By the time you read this, you'll be able to count **300 big Soviet projects** going forward with Counter-Trade.

The names may not be familiar to you but they are Western world leaders, all of whom are doing tremendous business with USSR . . . Hoechst and Krupp Koppers (Germany), Davy Powergas and ICI (Britain), Montedison and Technimont (Italy), Rhone-Poulenc (France).

Plus hundreds of others.

They're **selling** machinery and pipes and pumps to USSR, and they'll be **buying back** timber, pulp, paper, coal, oil, gas, chemicals. **Part** of the output of new industries.

Advantages are obvious.

Capitalist companies gain by a deal that keeps their exports steady for years, regardless of the state of the world market. Socialism gains by speeding its industrial advance, using equipment which couldn't be turned out for several years to come.

But there's another advantage for western countries that often run into economic slumps: giant Soviet deals enable this "business" to be spread around among hundreds of small firms, over years. Very stabilizing.

Montedison, for example, buys from 500 small Italian suppliers.

Another unusual, and perhaps funny, feature of such Counter-Trade deals is the situation when goods made in new Soviet factories are the **same** as goods made by similar factories in the West.

For example many **Soviet machine-tools** are sold in Europe, and buyers like them because the same tools are what they've used **before**, made in Europe.

It goes without saying that **Counter-Trade depends absolutely on lasting peace**, and this largely explains why the great majority of Western business people favor it, while the Reaganites hate the very word.

Real Chernobyl "disaster" was here in West

First big test of CIA "disinformation" policy has backfired badly

Shortly after midnight on April 26 people returning home to the village of Chamkov, across the River Pripyat from the Chernobyl Nuclear Power station, saw a bright flash in the sky above one of the station's chimneys.

This was an explosion. But not a nuclear explosion, as was proven later by doctors who found no "induced radiation" in the blood of people working on the scene.

That was expected, since the station reactor *automatically shut down* when the explosion took place. Evidently hydrogen gas was suddenly produced when the reactor overheated.

But as this is written, **no cause has been found** for the over-heating, which took place while the reactor was **shut down** for routine servicing.

Contrary to what USA-controlled media told the whole world, **none** of the other three reactors suffered any damage whatever, and functioned until shut down in a safety precaution.

But because of physical damage done to one reactor and the building, radio-active substances were released into the air, inside and outside the plant.

No "raging inferno of nuclear fission" developed.

Facts disproved the shocking falsehoods

Much has been made of the fact that the Chernobyl station was not "enclosed in a reaction-safe shield", supposedly used everywhere else. By no means all the world's nuclear stations are thus enclosed. At Chernobyl the "shield" consisted of pressure-proof sealed boxes, like "localised" shields. Other stations, too, follow this principle of design.

You no doubt saw and heard a lot about "a second meltdown" following the first. TV stations were given what was supposedly a USA satellite picture, showing the second Chernobyl reactor "going up".

This turned out to be a very crude photo-forgery, which backfired when United Nations experts flew over the scene. But millions of people in Europe were reduced to near terror by the fear of Chernobyl's "disaster" being multiplied by reactor-after-reactor.

Horror did multiply when USA pictured Chernobyl as a **dead city**. Radiation was said to be 2000 times greater than in the exterminated city of Hiroshima. The *New York Post* covered its front page with a gigantic headline: "MASS GRAVES IN UKRAINE". The figure 2000 seemed to fascinate Washington, so Chernobyl had "2000 dead".

But the silence almost exploded

Through cowardice or ignorance no media people (so far as NN could see) disclosed the remarkable truth about the mass propaganda concerning Chernobyl.

This propaganda was the **first test** of the new CIA-Pentagon **disinformation policy**, which had been quietly published by the McGraw-Hill paper *Aviation Week and Space Technology*, and later disclosed in *Business Week*.

Though USA had been caught in many propaganda lies before, the new **policy** made disinformation **an official weapon**.

There was some **humor** in the storm that followed McGraw-Hill's exposure. *Aviation Week* readers (especially military officers) were **outraged**, and they warned that **disinforming people would inevitably backfire when the truth came out**.

So, indeed, did it come to pass, after anti-Soviet Ukrainians realized that they had been hoaxed by the "mass grave".

Not only military fliers but also *professional intelligence officers* were furious about the Reaganite policy of systematically, spreading every possible lie. Again, the fear was backfiring. But the intelligence types call this "**blow-back**", a danger to be evaded at all costs, since it destroys the propaganda effect of **truth**.

Well, the disinformation specialists are going to have plenty of time to assess the damage they've done.

A lot of the damage was in *cold cash*. Billions of dollars flew around the stock-exchanges and the "commodity" gambling pits, when the horror of a "wiped-out Ukraine", and a nuclear-soaked Europe, led the greedy guys to throw everything they had into the dream of sky-high food prices and bottomless pit electric-power stocks.

To say that fortunes were lost is putting it gently.

How many times have we been disinformed?

Everywhere in the West, media and authorities combined to blast the USSR for not "immediately" telling the world about the Chernobyl breakdown.

This could be the prize disinformation of all, because soon the "blow-back" brought facts to light.

— A secret congressional report lists **151 accidents** at nuclear plants in just 10 years.

— 15 of them were **serious**, including 8 in USA.

— Three Mile Island did get some publicity, but a breakdown in Idaho in 1961 was hushed up; 3 operators died.

— Probably the worst incident of all was at the British plant in Windscale, which suffered a real meltdown, contaminating hundreds of square miles of farmland; this disaster was kept **secret for nearly 25 years**.

— The Three Mile Island accident was totally suppressed for 10 days and the International Atomic Energy Agency (which was invited to Chernobyl immediately) didn't take a look at Three Mile for two months.

— Just before the Chernobyl accident, the USA Nuclear Regulatory Commission revealed that 1985 was a very bad year in USA, with more accidents than ever before; but all without benefit of any publicity in the media.

How their Disinformation backfires

Soviet scientists and political leaders didn't have to strain themselves, to convince people that the Chernobyl accident was used to create anti-Soviet hysteria and to cover recent USA aggressions such as the attack on Libya.

More significantly, Chernobyl was "used" as a cover for the deliberate nuclear explosions in Nevada, which some authorities claim were extremely dangerous because of faulty control.

It became evident to everyone that the "menace" of Chernobyl was a mild form of the nuclear disaster which Ronald Reagan believes is "survivable" on a world scale.

The worse the picture of Chernobyl given by the media, the greater the people's horror at picturing nuclear death raining down from the space stations of Star Wars.

People everywhere must see that controllable nuclear power is indispensable for humanity, but deliberately unmanageable nuclear weapons must be forever outlawed.

Turning on the Rain

As we report elsewhere in this "NN", the main farm problem they have is to overcome natural handicaps of cold and drought. Here's how they're watering warm farming regions. For once, nature is working in their favor, helping them to avoid serious water problems that afflict our big grain lands.



Soviet Kazakhstan, similar to our prairies but very dry, needs only *moisture* to deliver enormous grain harvests. And now they've found it.

One thousand billion cubic yards of pure water are waiting under the Kazakh prairies, requiring only well-drills to tap it.

This land already grows grain, sugar-beet, vegetables and fodder crops on 60 million acres. With very little rainfall. Given normal moisture, their yields will be tremendous.

Unlike the situation in Canada and

much of USA, Kazakhstan's underground water "table" **renews itself each year**, so large-scale drilling won't exhaust the "sea" that needs only to be tapped.

Scientists have proved that farmers can safely take up to 50 billion cubic yards of water each summer, year after year.

They've started. A typical Co-Op farm in the droughty Pavlodar region has begun watering just one quarter of its land. With 67 drilled wells, to produce "rainfall" whenever plants-and-soil indicate need for it.

You might think the expense is high. Each well costs between \$125,000 and \$140,000 to drill. The farm uses about 20 million cubic yards of "underground rain" per year. All costs run to seven cents a yard. Well over \$1,400,000, pumping included.

But! The returns in grain and meat exceeded \$25,000,000.

Multiplied by all the grain areas of Kazakhstan, the total return will be enormous. Ever year.

They use the water sparingly, by means of Soviet-designed sprinkling system. Two shown in our photo.

In the Uzbek Republic the situation is quite different. One of their big "prairies" (the Dzhizak Steppe) is actually a desert. Or it was.

Surveys on land and from Space showed they could tap the Syr Darya River, through the Southern Hungry Steppe Canal. Safe to draw off some 185 cubic yards *per second*.

But the Canal is low, so pumping stations lift the water up 500 feet. And this is economic because the desert soil here is very fertile.

For starters they're planning to water 375,000 acres.

Naturally, they'll require an extensive canal system. About 150 miles, in all.

This irrigation network will be unusual because most of it will remain invisible: actually underground pipelines. This system saves much water.

Work on the Dzhizak system is distinctive in another way. Before the water arrives, whole towns are being built for the thousands of farm families planning to go there.

Complete with schools, hospitals, power lines, and machinery depots.

Actually, they've proceeded cautiously, getting one farm unit of 150,000 acres completed, and into production (mainly cotton, vegetables), before tackling the major areas.

However, the cotton and livestock farms are doing very well (big State Farms) and already the "desert" is unrecognizable.

All farmers will have modern homes, with central water and heating (it gets cold at night in the desert).

To encourage settlement the "pioneers" get a one-time cash payment; no rent for two years; no income tax for eight years. Free courses aimed at giving skilled jobs to all.

Returns from cotton are so favorable that new farms will go also for livestock, poultry and food processing.

All feed will be grown locally.

It appears that a lot of the "rain" pumped to Soviet farm-land is going to be **polluted**. Acid rain, no less!

It all began with Siberian farm researchers, who were struck by the fact that whenever a district got *thunderstorms* in the spring, the crops were exceptionally good.

Turned out that old timers had known of this from way back when.

Study showed that lightning dis-

charges produced very weak **nitric acid**, carried by rain to the soil.

Not only did the nitric acid supply fertilizing nitrates to the growing crops, but in the soil this acid released many valuable minerals (including phosphorus and potassium).

Next step was natural: sprinkle man-made nitric acid, and see what.

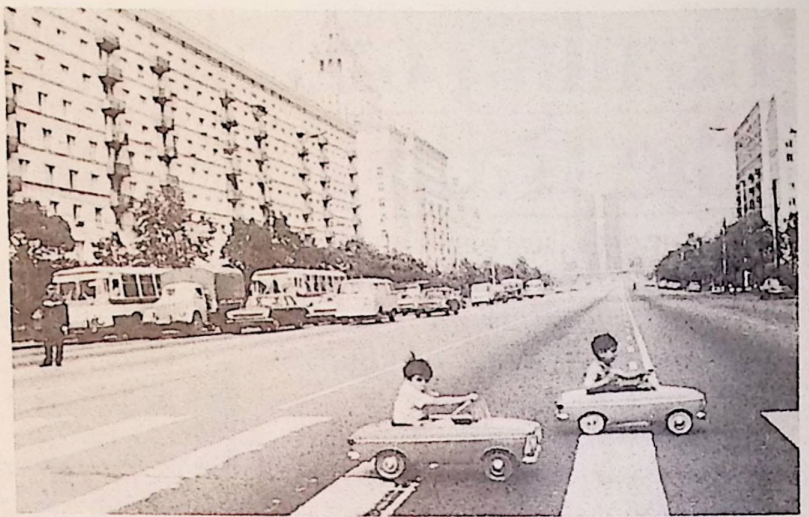
They saw wonderful results.

Crop growth and yields were best when the weak nitric acid solution was fed to the land through big sprinkling systems.

Another very big advantage has turned up. The world's farmers now use 500 million tons of fertilizers, yearly, a great deal of which is lost and even pollutes water-supplies. With the nitric-acid-rain system, both the **quantity** and **loss** of fertilizer are very low.



In kindergartens both boys and girls dress up to act the part of grown-up traffic cops.



Even in big cities police will hold traffic so "learning drivers" can make it safely across wide streets, obeying all the rules.



At kindergarten No. 7 in Riga a traffic control officer makes a game out of training for safety.



At some schools the "game" is elaborate, but designed to capture their interest.



Looks bad, all right. How to settle who is to blame? Don't need the ambulance!



School-age youngsters have real traffic cop authority during lesson-games supervised by friendly police.

You can't start too young to teach life-saving on the streets

All over the USSR you can see a change in their kindergartens. The big yards feature a new kind of game: traffic.

With clever artists to help, they decorate the playgrounds with city streets, railway crossings, traffic lights, all kinds of road signs. And the favorite toys for boys and girls alike are little pedal-driven cars.

With millions more cars now on their roads, Soviet people are becoming alarmed by the accident-and-death toll. After careful study by police, medical experts and teachers, they've come to the conclusion that life-saving in traffic has to be taught, and the sooner the better.

In one typical kindergarten game, all the youngsters get a fresh red card. During play time in the yard's "traffic" those who break a safety-rule have their cards punched. Winners are the ones with the fewest holes in their cards.

Fortunately for them, Soviet people had a strong force known as State Traffic Inspection (Russian letters "GAI", pronounced GUY) long before they had heavy traffic. So GAI tackled the new task of "educating" people in kindergartens and schools. The cops were all for it because of this sad truth: most traffic fatalities are the fault of pedestrians.

Colonel Larissa Ovarchenko, in the head office of GAI, tells NN "We could build dozens of under-passes and set up hundreds of traffic lights and road signs, but this wouldn't save those reckless people who run into a rushing stream of cars and trucks. That's why we're giving the children a basic knowledge about proper behaviour in the streets, from a very early age.

"Now we give special courses to kindergarten nurses and instructors, and this is expanding to include teachers in grade schools."

Today, in most cities, pupils in primary grades get ten traffic-safety lessons each year. Older boys and girls get special "games" after school hours. The USSR Ministry of Education has worked out, with GAI, all kinds of games that are played on adult level.

It helps a lot when the youngsters get to drive small cars as well as simply move around as pedestrians.

This educational job is greatly strengthened by something we don't have over here: children's movie theatres. In Socialism they've developed a special documentary film service for youngsters, so that the entire school-age population gets a very entertaining "show" regularly.

The kids go for it when a local GAI officer gives them a talk about real accidents that have happened in their own district. Inevitably some of those tragedies involve children, and when that's the case the lesson really hits them where they'll remember the movie.

These movie programs are backed up with all sorts of contests and quizzes. Winners get badges, postcards souvenirs relating to safety.

In recent years this program has been greatly expanded, as the children's newspapers over there took up the problem in a big way. Again, we have nothing like their papers, which have circulation in millions, on a national scale, and in many thousands locally (in various Soviet Republican languages).

It's nothing for *Pioneer Pravda* to receive millions of letters from boys and girls, when they run a quiz contest. Best letters get prizes. And the writers see their photos in the papers seen also by millions of other kids, and their families, teachers, school-mates.



The very nature of traffic, and its accidents, fits the Soviet children's press right into the prevention program.

Today, this is all "multiplied" by TV and radio. You won't be far wrong if you look on Soviet "social" TV programs and messages as the substitute for our endless commercials. In both systems the young viewers "buy" what the program sponsors offer them: but obviously the social consequences are world's apart. Soviet children's TV doesn't promote cookie sales but does save human lives.

Always searching for more effective accident-prevention "propaganda", Soviet educators have lately induced the USSR's many puppet theatres to take up this kind of "program". Leningrad hit on the great idea of having traffic signs and signals come alive as puppets, to discuss the behaviour of adults who never learned how to be safe.

You've never seen it mentioned in our media, but every spring a big thing in most Soviet families is the excitement of "Traffic Lights": it's a nation-wide festival involving contests between schools, school-classes, regions ... almost like football or hockey playoffs. There are parades of all sorts of new equipment and vehicles.

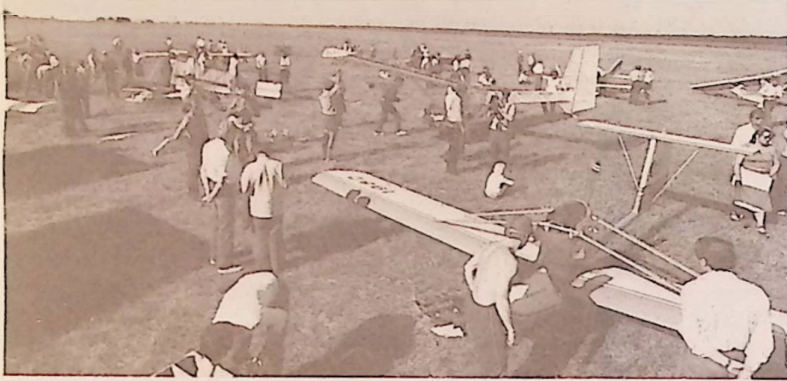
Incidentally, as you see in our photos on the opposite page, Soviet children can dress up as GAI officers. But they have to be trained, first, in Junior Traffic Cop Brigades, which are set up in most Soviet children's clubs. The course is quite difficult, but the Juniors are more popular in school traffic courses than adults are.

Visitors from the West are not likely to see many of these activities, but one thing nearly everybody comes across sooner or later are the remarkable "Car Towns" set up in many big Soviet cities, in public parks. There are now more than 300 of these.

Unlike the simple "traffic decorations" of the kindergartens, these scaled-down cities have realistic street corners, with imitation buildings, shops, traffic lights. And real traffic, made up of pedal cars operated by boys and girls who develop driving skills while having fun.

And all this is really only a preparation for courses in senior high-school grades, where young people take lengthy training to fit them for driving real cars and trucks.

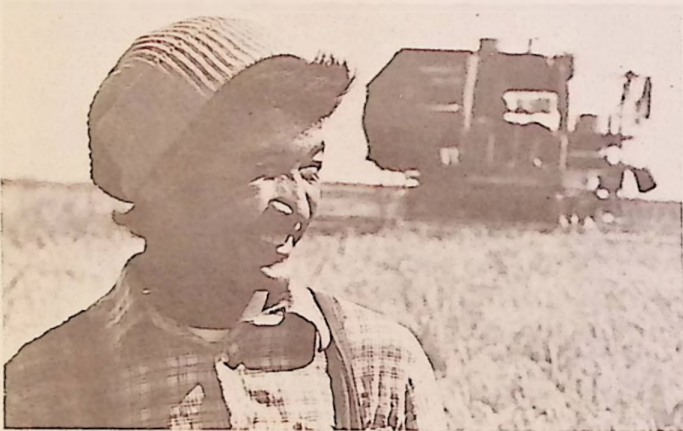
Young Summer



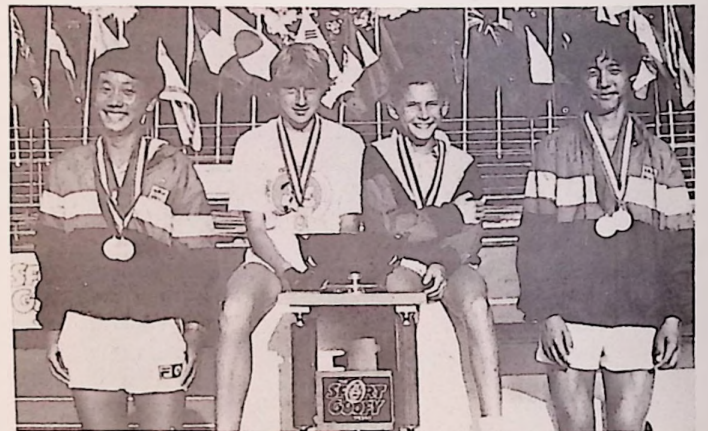
Great for young flying fans. Their second national competition for home-made super-light planes. From all over USSR they come to Planerskovye Town (Crimea) for thrills of a lifetime.



She's a pilot, she's a movie star, she's Alexandra Yakovleva, chosen for a leading film role because ... she's a parachute jumper. What they call "technical sports" is a trend that is sweeping Soviet Union. Anything that involves modern high-tech, like diving or motor-cycling or, well, making movies. At Gorky Studios for Children and Teenagers.



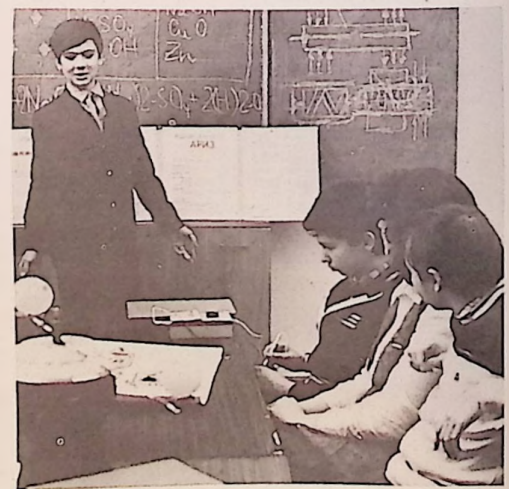
Greatest summer yet for young engineer Uteniyaz Bekiyazov, who is helping to transform huge Kara-Kalpak sheep ranges into modern mechanised rice-growing State Farm Chapayev.



Tennis is big now in USSR, especially with kids. There's a World Championship for 12-to-14 year olds. Left-to-right: Mike Chang (USA), Natalya Zvereva (USSR) Monika Sales (Yugoslavia), Tom Ho (USA).



Young inventors' clubs are all over Socialism now, and maybe the big surprise is that girls may soon out-number boys. They turn out pretty fine stuff (robots, planes, ships, and they all work). During summer these clubs hold regional contests. Part of Soviet drive to get youngsters into high-tech early. Some of the inventions turn out to be valuable in production.



No mere hobbies here: this Moldavian youth group tackles advanced problems in the chemical industry, well up at the university level.



Many high school girls like jewelry. Not just to wear but to design and make. So big factory in Krasnoye Town has a special school for this.

Left: Vlad Gusev took a heavy job in Kama Truck Works, and before he knew it they trained him as a foundryman... quickly promoted to production team-leader.

Nazilya Geidarova entered College of National Economy in Baku. She went for the computer centre. Already she's being briefed on advanced techniques and this summer will see her career take off. She's been elected to Supreme Parliament of Azerbaijan.



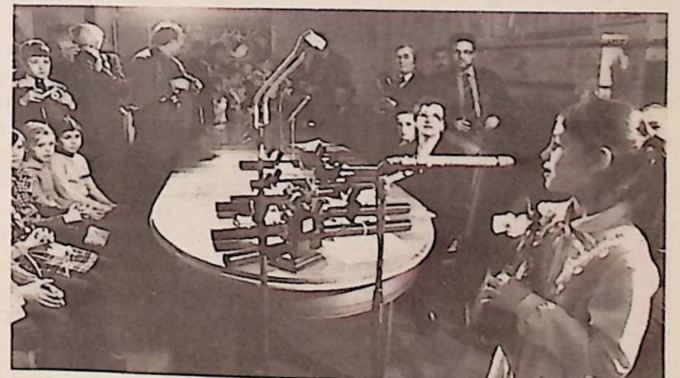
Zarya Co-Op Farm is one of many now offering teenagers the excitement of riding race horses for enjoyment.



Can't wait to go to work, so Peter Kirilenko and Viktor Tatamir entered a big factory training school in Cherkassk district, and by summer's end they'll be on the permanent staff.



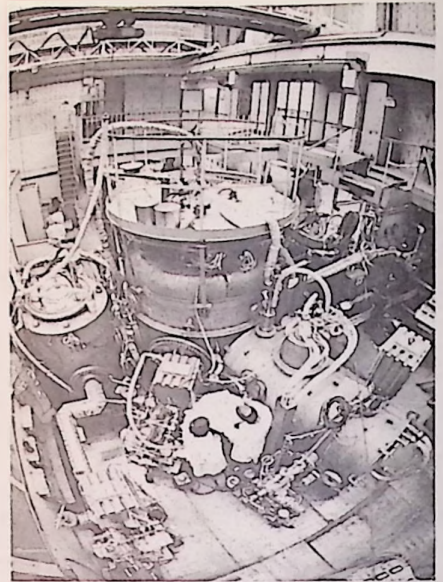
Many thousands of Soviet young men and women, who built the Baikal-Amur Mainline Railway (BAM), through Siberian wilderness, are staying on to hold permanent jobs in new mines, factories. But before they can do that, they're building whole cities. Like this one, Tynda (some call it the BAM Capital). Housing here is just about ready, but they want it good, so they're lining the boulevards with special lilac bushes that bloom even in Siberia.



Young Yelena Obratsova won a top prize over in Japan, for her drawings. This summer she'll be telling many kids about her happy times in Japan, and how they feel about Hiroshima and Nagasaki.

Super Nuclear Power is now on the way

Readers have been asking how it stands with "fusion power", promised by the science world years ago. It's like using man-made suns, for limitless energy. And the fuel is sea-water. Here's the latest.



The name of the energy is **thermonuclear fusion**. Nuclear power today comes from nuclear *fission*. It is produced when atoms break up, losing part of their mass, which turns into energy. In *fusion*, atoms join together, likewise losing part of their substance, which turns up as energy.

Practical thermonuclear fusion has been the goal of tremendous research, for 40 years. **Why?**

Consider a modern electric power plant. Say of one million KW output. In a day, it burns 750 tons of coal. Or, 400 tons of oil. Or, 250 grams (about 8 ounces) of expensive Uranium-235.

But a thermonuclear station would use only 34 grams (about one ounce) of "heavy hydrogen", or deuterium. Obtainable from sea-water.

There is **unlimited** deuterium waiting to be used as fuel. The process of "fusion" is **much safer** than that of fission. And there is **little radioactive waste** left behind.

Then what's the hold up?

To make thermonuclear fusion work, you've got to create a **miniature Sun** here on Earth.

Tremendous temperature and super concentration of materials are necessary in fusion.

A big leap forward was made in 1956, when Soviet physicist Kurchatov startled the scientific world by giving a full report to a conference of researchers in Harwell, England. Kurchatov described in detail what Britain and USA considered to be "top secret". The facts shows that USSR was far ahead: Kurchatov gave out photos of equipment which other countries had only on their drawing boards.

That year, 1956, USSR appealed to world science to *unite* to speed the coming of workable fusion power.

Some 22 years later, after serious problems had arisen, USSR proposed to set up "INTOR" — International Thermo-Nuclear Reactor, involving scientists of the Soviet Union, USA, Britain, Japan, and eight West European countries.

The project did get started, with publication of *everything then known about the problems*.

The USSR's contribution was the now famous "TOKOMAK" reactor. It proved superior to every other experimental device, and was copied world wide.

"Tokomak" stands for "toroidal magnetic chamber", referring to the doughnut-shaped device equipped with super-powerful electro-magnets. (See photo above).

What's that problem again?

To start a laboratory "sun" working, you must have temperature of millions of degrees, dense concentration of atoms, and a system that will make it "stable" for at least a few seconds.

Solar temperature is no longer a real difficulty. The other factors are also "within sight" today, in USSR, USA, Europe and Japan.

The **next stage** is to get the whole process working so that the energy coming out is greater than the power that's put in to start it going.

Far easier said than done. This is why the USSR proposes to get on with the INTOR project, so that all research can be pooled, and results speeded up.

Already there is agreement about getting "solar temperatures" inside the equipment. This depends entirely on making the device **considerably larger** than any set up so far.

But that is more of an engineering problem than a research job.

Some world authorities believe the Soviet approach is going to pay off fastest. In this, the "sun" is surrounded by ordinary Uranium-238, and, as the Tokomak works, this 238 turns into plutonium. In turn, plutonium is used to produce nuclear power by the usual **fission** process.

Why this complication?

It is really a system to use small amounts of fusion power to produce large amounts of fuel for **fission** power. This would be of great industrial and economic significance, ending the threat of a scarcity of Uranium-235 (used today).

It's a *hybrid* system: half fusion, half fission.

You can see the approach here. By combining fusion with fission, new operating techniques can be learned gradually, while the system "pays its own way" in this experimental stage.

However, **other** ideas are gaining favor. For example: Soviet experimenters are working with **super-powerful magnetic forces**. When these surround a Tokomak "doughnut" the temperature rises greatly, increasing the desired fusion reaction inside.

NN understands that one device they're working on is a Tokomak no bigger than a *cubic yard*. If this succeeds, the way is open to make power from really compact "suns", fuelled by sea-water.

Both in USA and USSR they are trying to develop extremely strong magnetic "fields" not surrounding the Tokomak but *right inside it*.

So far it's not clear how the technical difficulties can be overcome, but the idea has great promise for small-size, high power "solar reactors."

Probing the Soviet view you come across a surprising situation. Their scientists are now **very optimistic** about solving the "nuclear" problems involved; but there is keen disappointment in the **slow progress** of INTOR, because of lack of cooperation from the West.

And meanwhile consumption of oil, gas, coal and Uranium 235 is rising at a rate that promises to exhaust fuels and raise costs sharply.

The outlook for the Less Developed Countries is especially bleak, because they **must** develop huge power sources if they are to progress.

While Reagan mobilizes advanced nations for the idiot-killer "program" of "Star Wars".

Putting the "Touch" on Weariness

From Acupuncture (needle therapy) to Massage, you've seen many treatments which involve touching the body in special ways. Most of these "systems" are aimed at relaxing the body and mind, and many even help to put you to sleep.

Here we deal with a **different** kind of "touch".

Unlike acupuncture it involves no needles. And instead of making you sleepy, it is designed to **overcome tiredness** and restore energy.

This simple "system" has been widely publicized in the USSR, where a great many people say that it works.

Lately you've seen reports about people who can do medical wonders just by "laying on hands" (touching the patient in some special way). The method given here doesn't involve any other person, just yourself. And you don't have to possess any psychic powers.

Several popular Soviet "treatments" for weariness involve one or another form of exercise. This one is very much the opposite: literally all you do is lift a finger and then press on it.

You can quickly discover whether or not it works for you.

You can "touch away weariness" at any time that suits you, privately, and you require not a single item of equipment.

But it is important to wash your hands, feet, and lower legs, before you begin. You should do your first "touchings" for about 10 minutes, later on for 15 minutes.

Touch One. See diagram at right. With index finger of right hand, find point No. 1 above nail of little finger, left hand. It may take time to find the sensitive spot here, but keep trying. Press firmly but don't overdo it.

Touch Two. Now try to find sensitive spot on other side of nail (same finger and hand). You can press hard enough to cause slight pain. Keep it up for two or three minutes. Try rolling the index-finger tip around these points to get a pronounced effect of sensitivity.

Touch Three. See diagram. You switch to another finger. Using index finger as before, try to find this "touch point". Now try using thumb (of right hand) to locate this point, and press hard enough to cause slight pain. Try "rolling" thumb in a kind of circular massage motion. Two to three minutes.

Touch Four. You'll have to "explore" to locate this quite sensitive spot between thumb and index finger. Thumb of other hand is used, but you'll be able to apply plenty of pressure to get a reaction (slightly painful). "Roll" thumb. Two or three minutes.

From here on follow lower diagram, at right.

Touch One. Just about exactly in the center of this part of your foot, you'll find the sensitive point. Use index finger of left hand, for right foot. Do it five minutes. Sensation of warmth develops.

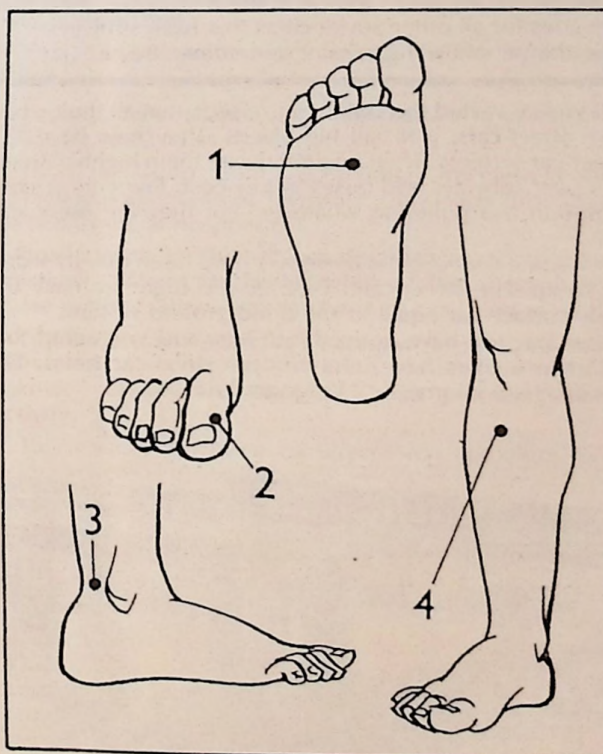
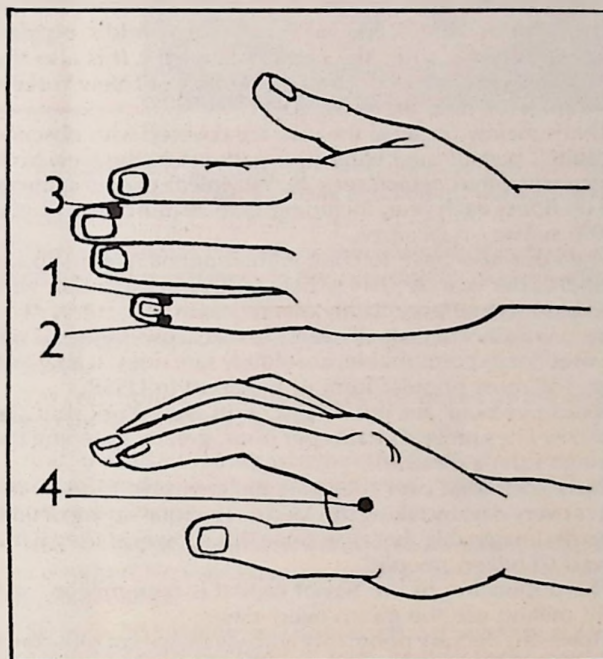
Touch Two. Find spot above nail of big toe. Massage with thumb, so you really feel it, for two minutes. Slight pain won't hurt, but don't overdo it.

Touch Three. You may have trouble locating this vital touch-point, behind the protruding bone of your ankle. Use index finger to find it and then to give a light "touching" massage, for five minutes.

Touch Four. Again, this one isn't easy to find, but when you do it will "come naturally" next time. You can "work" this point for five minutes, with your index finger.

It goes without saying that after you've found and "worked" these points, on your right or left hand or leg, then you **repeat the whole thing** on the opposite limb.

If it sounds a bit mystifying, all we can say is that just as acupuncture often relieves serious pain, so this Eight-Point (rather, Sixteen) touch system even more often banishes weariness.



SUBWAYS VS STREETCARS

Arguments that were settled years ago have broken out in heated debate again, but riders are enjoying this.

The famous New York subway is the world's biggest, longest, fastest, carries the most passengers. It is also the world's noisiest and dirtiest metro. Millions of New Yorkers say frankly, "I hate the subway!"

That's mainly because the cars are covered with obscene "graffiti", part of the "behaviour pattern" in the New York transport system, which sees 30,000 violent crimes committed on riders each year, including 15 to 20 murders. Despite 30,000 subway policemen.

The cops also have to cope with about 50 major subway accidents per year. And try to help thousands of people who live there, homeless, mainly mental cases.

In contrast, the equally famous Moscow Metro is renowned for its comfortable, absolutely safe rides. It is far and away the most popular form of transport in USSR.

Miles-per-hour are not as fast as in New York, but the Moscow lines move 45 trains per hour, greatly speeding the average rider's travel.

Facts show that over the years millions save 15 to 20 minutes every day, by taking the Metro. The total saving of time is hardly imaginable, because since this subway started it has served 60 billion people!

The population of the Soviet capital is nine million, and eight million use the metro every day.

However, the very popularity and advantages of Moscow's underground transport has raised problems. Mainly because everybody wants to ride in the rush hours. And that also goes for all other Soviet cities that have subways.

So the people will gladly try something else.

If you've visited the USSR you've seen that all their cities have street-cars; well, all big places. They now have 110 street-car systems. Their engineers rate them highly: street-cars beat subways and buses in low-cost, low energy consumption, no pollution whatever. But they are noisy and slow.

For some years Soviet designers have been quietly working to up-date street-cars. Their goal is high: to make the lowly surface car equal to the underground system.

You may not have noticed it in Kiev and Volgograd, but both those cities have ultra-modern street-car trains. The Kiev line is 9 kilometres, Volgograd's is 13.



Main features: these street-cars don't run in traffic at all, and cross no streets. Parts of their runs are invisible from the street: the rails are in over-size "ditches". Some stretches have high "fences" enclosing the tracks. Reason for this you may guess: these street-cars are for long-distance trips, at high speed.

Lately these Soviet "surface subways" have been running around 80 km per hour (about 50 mph). And they supply riders with no less than 28 two-car units per hour. So you wait just two minutes for the next street-car.

Quite a few other Soviet cities have now such high-speed street-cars. Some carry 7,000 people per hour, but others can accommodate 25,000 hourly. Compared to ordinary street-cars and buses these lines cut travel time in half, and are less tiring on people.

On the way are new "super street-cars" carrying 160, 220, 300 people. Some have 8-axle cars linked so they can cover sharp curves. New springing systems make them comfortable and less noisy. They've lost their street-car appearance and are "tram-trains".

Czechoslovakia leads in designing these new systems. In fact, Tatra-Smichov street-cars have been running in Soviet cities for some 20 years.

The very newest start operating this summer. They have high-tech speed and braking controls and are designed to run faster than any earlier "tram-trains". And they'll run on new, modern rails.

The only thing that never changes in Soviet transport is the low fare.

Today, in big cities, it costs millions of dollars to lay one additional mile of subway. But the fare over in Socialism remains that token five kopecks (roughly seven cents our money) ever since 1935.

Construction costs have been cut somewhat by the new high-tech Soviet system for tunneling. They can now push a new line through (permanent concrete finishing included) at a rate of 1200 yards per month, which is not rivalled anywhere else.

And they need that speed, because their Plan calls for extending subway service out to all the new large housing suburbs surrounding Moscow.

Nine other Soviet cities likewise are pressuring for more underground mileage, and USSR also is getting orders from cities in capitalist countries (India for example).

You can judge the popularity of Soviet subway lines from this remarkable fact: just four days after the first Siberian Metro opened its doors (in Novosibirsk) the one millionth passenger paid his 5 kopecks!

All Soviet cities of a million or more population will soon have subways.

But some of those places may also have the new super-street-cars. People like both systems. Especially because Socialism pays most of the transport cost with those heavily subsidized fares.

Weather Upset

If you'd like to have the last word in the next weather argument you run into, you'll get it here. Experts have lately been admitting that our weather has been extremely "unstable". Means they can't predict it. All agree winters and summers both have been very unusual. Does this mean Earth's climate is changing? Some say yes. General view is that weather won't improve until around 2025. Maybe sooner, later. Before you see how Soviet scientists have turned weather forecasting upside-down, it's useful to check on "official" theories.



As you know from reports here in NN, many Soviet research ships have been studying the oceans.

One reason: the Gulf Stream "mixes" warm water with frigid air, with vast weather effects.

Imagine: Gulf Stream carries 20 times more water than all Earth's rivers combined!

So it can exert tremendous influence on the air covering enormous areas.

Besides, research ships and space satellites reveal gigantic "eddies" in the Gulf Stream, some of them thousands of miles across.

Winds and gales increase the evaporation of sea water into the atmosphere. You get temperature and moisture changes on a truly colossal scale. And this can set off cyclones, tornadoes, to say nothing of "ordinary" weather effects.

Anyway, that's the theory now popular with most weather scientists (meteorologists).

Problem here: even with many observation points (especially in Space), today's computers just can't handle millions of weather facts that come in too fast to be processed quickly; and that's required to give useful weather forecasts.

But the broad picture here, which is known to most weather fans, is that the atmosphere's gigantic motions, plus the equally vast and violent movements of the oceans, together make up a Weather System.

So if we could "plug in" to all the air-ocean facts, we might know what it's going to be like outdoors tomorrow.

However, no expert was able to foresee "El Nino", that recent disaster off the coast of Peru. A warm ocean current caused terrible floods, droughts, extermination of fish. Total cost of this weather tragedy was over 10 billion dollars.

Some believe another El Nino is due. Experts say they could predict accurately if they had 30 full-time research ships plying the seas. These vessels would concentrate on what scientists believe are energy-active ocean zones, where our weather is "made".

One such zone exists around Newfoundland. Sailors and fishermen have known that from way back. But nobody can yet predict how "active" that zone will be tomorrow.

You get the situation? What meteorologists are trying to do is explain what the seas and the atmosphere are doing to weather.

Now, two Soviet specialists say all this effort is based on entirely mistaken ideas.

You can really get weather fans upset if you tell them, straight, what Drs. Igor Yanitsky and Eduard Borodzich have proclaimed.

They say: forget the oceans, because Earth's atmosphere is controlled by changes in the very depths of our Earth.

They first got their idea by observing that atmospheric pressure goes up and down markedly, over certain regions of earth.

Yes, regardless of disturbances (or none) in the ocean. Even where there's no ocean.

And, it doesn't matter whether the "active region" is dry land, covered with lakes, deserts, mountains, frigid tundra or steaming tropics.

Maybe it's the outer Earth's crust that somehow influences the weather? No way. Long ago researchers found there was no relationship.

So how did Yanitsky and Borodzich start looking at Earth's "mantle"? That's the layer of rock, broken rock, even soil, just above the really solid rock of our planet's interior. Answer is surprising ...

First, Earth's mantle has "channels" which move up and down.

Second, these channels are huge: can be 15 miles across, reaching 1,500 miles down.

Third, this weird "pumping" action inside Earth produces tremendous quantities of "aerosols" (tiny water droplets dispersed in the atmosphere).

Finally, such production, or disappearance, of aerosols drastically affects the heat-balance of the atmosphere, in those regions where mantle channels are often at work.

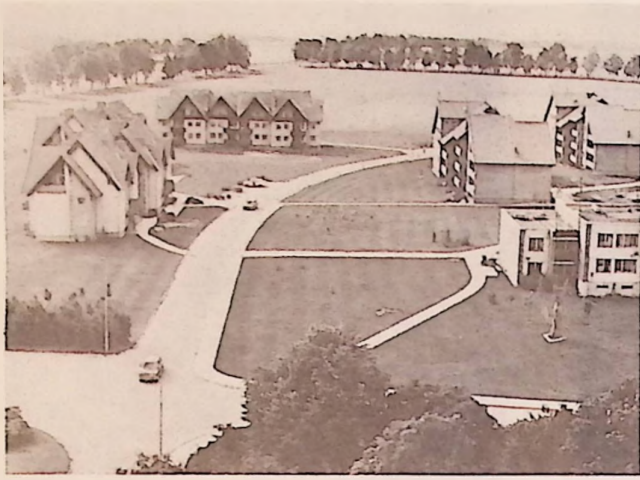
The Soviet scientists made a big stir when they proved with facts that many regions of Earth, where the mantle is "active", always are associated with profound weather activity.

This was never noted by any of the countless weather-observations made before.

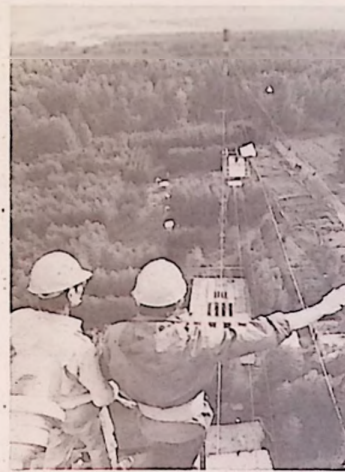
Naturally, many Soviet meteorologists are now checking on this daring theory, because, for obvious reasons, if it proves correct then the way is open to widespread weather forecasting. Based on fixed observatories located in the places of active mantle channels.

LATEST FLASH: new information completely disproves the theory that Earth is warming up because of the "greenhouse effect" — caused by Man's mass pollution of the atmosphere (burning fuels). Climate is in no way related to atmosphere's content of polluting gases.

What Soviet people



All over USSR, as here in Lithuania, farmers are building modern homes the way they prefer them, not "all alone", but grouped in small villages.



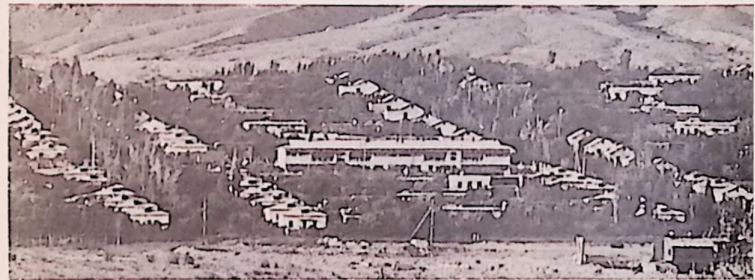
Siberia's forest wealth is being protected by surveys made from cable cars.



Many thousands of women have joined Soviet Judo clubs in less than a few years.



In USSR Cardiology Centre young researchers have won a prize for new method of treating people who develop chronic weakness of the heart muscles.



At the Yuri Gagarin Space Training Centre two Syrian cosmonauts (Mohammed Faris and Munir Habib) are undergoing elaborate exercises to prepare them for flight in Soviet space-craft.



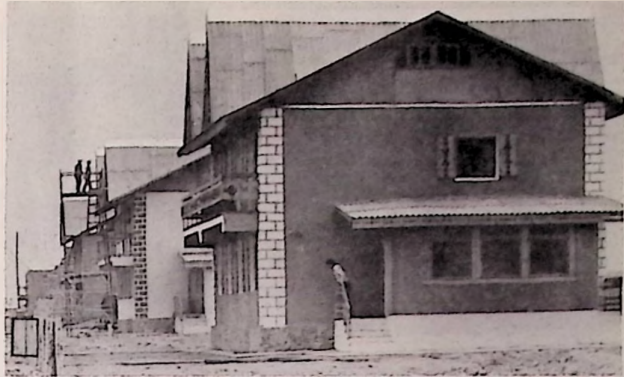
New Soviet "jumbo" freight plane (shown earlier in '85) is already hard at work in big developments of the country north and north-east, with no rail lines.



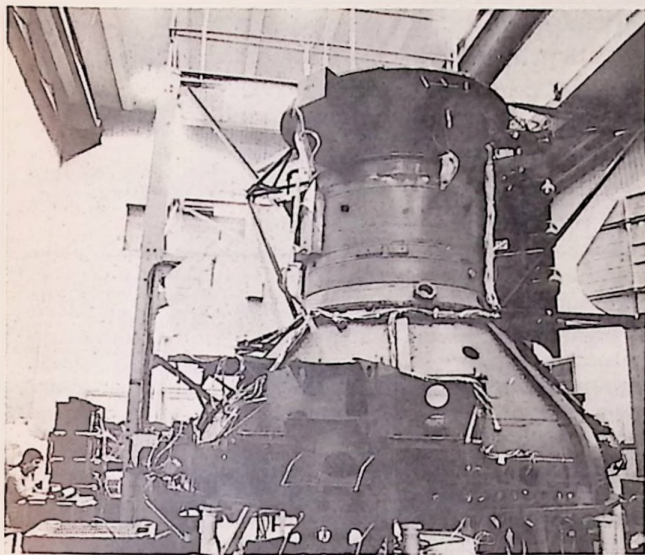
At left: nobody has to push Soviet kids to read, they've already "absorbed" ten billion books.

At right: New diving equipment enables workers to do tough jobs down at depths of 900 feet, on new projects underway in the Barents Sea.

le are doing now



14,000 people are going to live in new State Farm at Nurlı (Kazakh Republic). Remarkable because region is still a lifeless desert. Plenty of water is on the way, houses being built.



Famous space-craft Vega that made history going for Halley's Comet. Being modified for remarkably ambitious trip out to "Phobos".



Getting ready for day when cosmonauts will live and travel in Space, Soviet scientists are growing crops to feed them. This is experimental cotton from seeds planted and matured out in orbit.



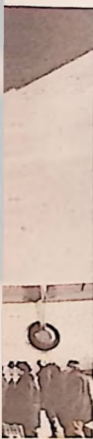
Left: Scene of disastrous Tajik earthquake, town of Oftobri has arisen in form of quake-proof modern homes.

Below: huge Golden Cock of Riga has been restored as it was 400 years ago, to crown spire of Dom Cathedral.



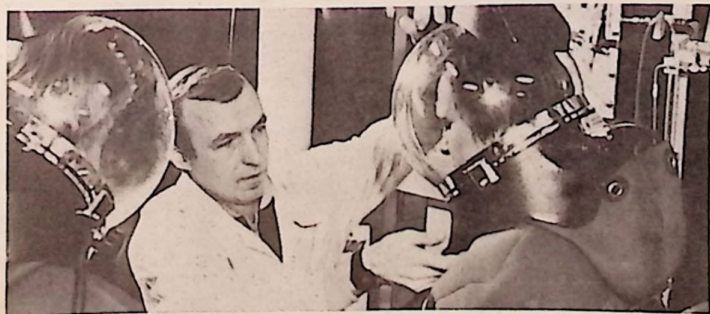
Left: This summer thousands of Soviet boys and girls work with professional foresters in the woods. Here they're protecting a spring of finest water, vital for dry years.

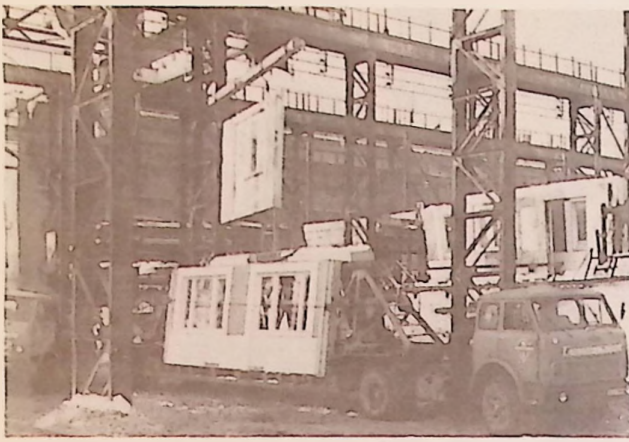
Below: this new oil field near Caspian Sea was revealed by spacecraft photos, and is already becoming major producer.



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Need a Home?

Our media convince us that life is pretty rigid in Socialism. You stand in line in the stores, and get served when it's your turn. And then, housing. You apply for a place to live, and get it when somebody decides to give it to you. In real life getting a home in the Soviet Union can be done in many ways. Here we look at two of them.

Ever since they got married, Dzintra and Zintis Janson lived in a cottage just outside Riga. But as their three youngsters grew, it became too cramped. To get an apartment from the City Council would take a long time, the waiting list was very discouraging.

But Dzintra had worked 15 years at one plant. This factory (like thousands in USSR) build apartment blocks for its workers. So the Jansons went to see the Trade Union local. With three children, they had priority. In a surprisingly short time they were in a brand new roomy apartment.

And so were 56 other workers' families. All in the latest block put up by the factory.

The Jansons now live close to their work. Children go to a school two blocks away. It's a neighborly spot to live in: everybody works in the same plant.

Lots of new homes in the area. In five years the factory put up 452 apartments, paying all construction costs out of its production-profits. So the "rent" charged to families isn't more than 4 percent of wages.

That's almost like housing for free.

The "housing authority" in this case is a special construction organization set up by the factory union and management. All designs are drawn up by the people themselves. They now prefer buildings of 12 to 16 floors, and apartments of one to five rooms. (Bathroom, kitchen, entry, are not counted as rooms in USSR).

In this area they have a real housing boom, since both marriage and birth-rates are high and the local Council (Soviet) program can't cope with demands. So "factory housing" plays a vital part in filling the need.

Hard for us to picture a factory as "landlord" on such a scale: from now through 1990 this one plant will house another thousand families. Not with apartments only, but also schools, stores, service centres, playgrounds.

Besides its "housing services" the factory also is big in the restaurant business. The Jansons get a good lunch for around \$1.00. Their three youngsters eat a 3-course dinner at school, for which the parents are charged \$7.00 per month. Roughly 10 cents per meal.

Wages are scheduled to keep on steadily rising.

So far as we know, no Western reporters have written a word about the USSR's latest in housing ventures: YHT.

Stands for Youth Housing Trust.

All over the country, but we'll look specifically at what YHT is doing in Sverdlovsk, a major industrial centre.

Big majority of workers there are young men and women. They convinced local planners that the idea of YHT would work. It began with workers of five big factories taking a couple of years off their jobs. To build housing.

Some had to be trained. They were paid for that time and then for construction time. This deal was worked out because, in spite of new "official" housing built for 200,000 families in four years, Sverdlovsk needs that many more apartments to cope with employment growth.

Yes, the five factories not only paid young builders' wages but picked up the whole tab for construction. Good "business" for them because there's a serious labor shortage in the area, and those young men and women all agreed to return to their regular jobs.

In Socialism, there's much more to the YHT's than just the housing they're supplying. All Sverdlovsk people are watching this "social experiment", which is a kind of laboratory for testing the new socialist way of life, and new form of relations between people.

As it turned out, a real "youth district" has grown up. All the residents have a common desire to advance the health and education of their children. Families spend a lot of their free time together, and have formed the habit of helping each other solve problems.

This was partly aided by setting up clubs of every description, from books and theatre to hobbies and sports.

One surprising result of this youth experiment is that the children play a leading part in promoting this new kind of

"youth society". With the help of talented adults the kids take up hobbies seriously: such as go-cart driving and racing, model aviation, radio communication. These are truly social activities, and act as strong linkages between children and their families.

Even sports are given a definitely social appeal, with emphasis on health as well as mere competition.

Already the YHT has aroused the attention of Soviet "sociologists". For example, local statistics prove that the youth communities have fewer conflicts (compared to ordinary housing estates). There's a surprising combination of individual development stimulated by the community's social advantages.

Two other facts impress observers. Many more families have more children, than in regular communities.

And there are practically zero divorces!





Check here to see what we can do to help you



Many thousands have used the methods in our Reports to gain real pleasure in vigor, health and looks.

"Facial Exercises for Youthful Looks" — A system originated in USSR, copied here by expensive salons. You can get terrific results yourself, at home. Surprising how quickly it works. \$2. 5-for-\$6. 155

"33 Natural Beauty Treatments" — Some of most costly cosmetics you can make at home for pennies. Excellent for men as well as women. Not only effective, but very pleasant to use. \$2. 5-for-\$6. 874

"Easy Motions For Keeping Well" — Most popular of all Reports, recommended by all who use it. As it says it's "easy", but results you get will astonish you. Best we've seen yet. 95 cents. 5-for-\$3. 158

"Overcoming Depression" — Different from all "systems" you've seen. This works. You'll know it from the very first method you try. This has changed the life of many who use it. Price still only \$2. 5-for-\$6. 434

"How To Produce & Maintain Happiness" — Unique method of Socialist thinking that gets results when all else fails. No tricks, but a basic system that approaches life with happiness as the main goal. Just 95 cents. 5-for-\$3. 745

"Finger Your Way Out Of Stress" — One of simplest, most effective, pleasant ways to ease strains that get you down. No equipment, nothing to buy, no drugs. And you feel results immediately. Only 95 cents. 5-for-\$3. 967

"How To Understand & Overcome Unpleasant Moods" — With no pills or far-out "cult" trickery, this is systematic, effective way to develop enjoyable attitude to life even when things are tough. Only 95 cents. 5-for-\$3. 895

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"Living Healthier Longer" — Ways they've found of greatest value in USSR. Not just somebody's bright ideas, but methods used by thousands who are healthy far on into old age. They don't theorize, they get results! \$2. 5-for-\$6. 305

**FEEL BETTER
LOOK YOUNGER
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"Monkeys Can Save Your Life" — World's leading center for "ape" research discovered astonishing health procedures when they took cues from monkeys. This shows how to apply to humans. No drugs or equipment. Safe, pleasant. \$2. 5-for-\$6. 433

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"Ask Your Sleep How You Are" — This can be a lifesaver, because you can be forewarned of serious health threats not noticeable by usual testing. Not only useful but very interesting to use. \$2. 5-for-\$6. 458

"What Happens To Us When We Dream?" — You've seen many theories, but this is a scientific approach based on actual tests. Dream-life plays an important part in daytime health, so understanding it is vital. 95 cents. 5-for-\$3. 744

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"Use A Tap To Turn On Health" — No simpler, more economic, or effective way to regain vigor, priceless feeling of good health, than this astonishing system, used by millions in USSR. 95 cents. 5-for-\$3. 989

"How You Can Order Good Health" — New ways to apply 'power of mind over matter'. Used by top Soviet sportsmen and women. But average people can benefit even more, if their health needs a boost. \$2. 5-for-\$6. 475

"ZAKAL!" — Most popular ever, this once ridiculed Soviet way-to-health is now getting front medical attention. Space-men use it. So do millions of average people. Benefits from very start. \$2. 5-for-\$6. 704

"Why Honey?" — Despite all scorn here, and claims that honey is "merely sugar", all long-lived people in world confirm that this natural health-food concentrate is remarkably nutritious. Here's latest Soviet view. Even covers honey as "medicine". Recipes also. Scientific reasons why you should take this food seriously. 95 cents. 5-for-\$3. 867

"How They Strengthen The Nose & Throat" — Not with lotions and pills, for sure. This astonishing system is based on fact that special exercises can bring health to weak nose, throat. Results quickly prove them right. Many with long time problems have completely cured themselves. And methods are pleasant too. 95 cents. 5-for-\$3. 782

"How They Overcome Problems Of Breathing" — In our air polluted civilization, millions now suffer such ills. This new Soviet system uses no drugs or complex treatments. Can be carried out in full within your own home. Immediate benefits, but long-time results said to be outstanding. Real lung and chest fitness. 95 cents. 5-for-\$3. 783

"Thou Shalt Not Sin Against Food!" — Just reading this scientific exposure of health-quack-fads will make you feel better. Big surprise is when you follow this system to eat better! Originally brushed off, this Soviet approach to nutrition now has many medical followers in West. You get results right from start. \$2. 5-for-\$6. 978

"Aspirin: Ancient Folk Medicine" — No drug-makers in Soviet Union get profits, so their research on aspirin is impartial. Shows you how this remedy arose ages ago, from plants. Why it equals or surpasses many expensive prescription drugs. Ways it is used in USSR. Helps you "sift" anti-aspirin "health" propaganda from scientific facts that can save you and your family real money. And truth is, aspirin is a "natural" remedy! \$2. 5-for-\$6. 894

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Buy any 4 Reports at \$2, get another one FREE.

Moment of Truth

Comes a time when each one of us must ask: *WHO WILL REMEMBER ME?*
And if you aren't concerned about yourself: *WHO WILL REMEMBER MY LOVED ONE?*
Or friend. Or someone you deeply admire. *WILL THEY BE QUICKLY FORGOTTEN?*

"Will those who live a hundred years, two hundred years from now,
for whom we are clearing the way, will they have a kind word for us?"

Those haunting words of Chekhov are especially meaningful for progressive people.

With the speed our world is moving today, we tend to brush aside the fact that *individual people may not be remembered*, a few years from now, even though they did splendid work "clearing the way" for the future. If somebody's name is lost, then, tragically there can be no remembering by those who follow us.

That's the reason for....The Charlotte Carter Memorial Fund. The Fund is truly "an idea whose time has come". People immediately saw this, and made the Fund a remarkable success from the time it began, after Charlotte's death in 1972.

Easy to see why. Each Fund supporter memorializes his or her own name, permanently, in the published Listing of Names. And every supporter also carries on the work of the Fund, promoting its aim: The Liberation of Mankind.

The main way this is done is by assisting the publication of vital materials covering a very wide range of topics. With the Fund's financial help, these publications can be sold at low prices; in turn, this encourages Readers to order more copies (sometimes hundreds, and even thousands) for others who would probably never see them.

The Fund directors recently checked a list of all publications helped in this way. The total, and variety, were astonishing. Just to list and briefly describe this material would take a whole page in this magazine. Many, many thousands of people have read this "output". And remember, every supporter of the Fund automatically has taken part in this constantly growing effort for....The Liberation of Mankind.

You can assure any name a place in this unique People's Fund by sending any donation you can spare. Perhaps you have lost someone close to you? You've heard of the passing of one who must not be forgotten? You're concerned that some fine person may slip out of memory and be lost to the Future? Write us now, to make sure of the remembering.

To see exactly how this is done, send for our latest Listing of Names, which includes the story of Charlotte's life and her contribution to 'NN' and Northern Book House. Please enclose \$1.00 to cover mailing expenses.

The CHARLOTTE CARTER MEMORIAL FUND Inc.
Box 1000 - Gravenhurst - Ontario - Canada - POC 1G0

PLEASE NOTE: The Seventh Listing of Names has just been printed.

This enlarged Listing carries the names of every supporter since the Fund began in 1972. If your name is not included a donation to the Fund, however modest, will assure your place in all following Listings. Or, as noted above, you may similarly memorialize any other person.

1918-1972



Remembered for ever and ever



First human being to escape from gravity and soar into Space, Yuri Gagarin was a worker, proud of his family of workers.



He began in Steel and graduated as the first Cosmonaut, achieving the impossible.



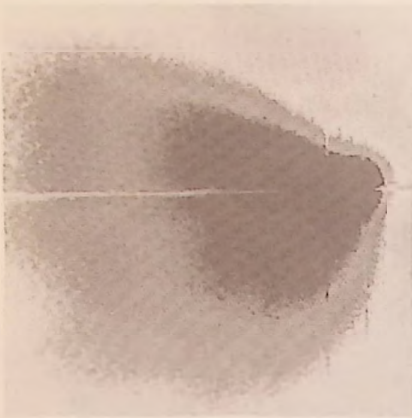
Yuri was welcomed as a hero the world over. Here the people of Manchester greet him.

At right: while scientists in West were highly sceptical of space-travel for human beings, talented Soviet researcher, Sergei Korolyev, had no doubts about his young pupil Gagarin being able to make it up, and down, in historic flight of 25 years ago.



Below: one of great "snapshots" of history gave the world Yuri and his daughters Lena and Galya.





Could a COMET end our EARTH?



Soviet Science takes a new look at "Tungus Disaster"

NN Readers will recall the Tungus story. On the morning of June 30, 1908, many people in Eastern Siberia witnessed the greatest explosion in human experience.

It levelled an enormous area of heavy forest. That explosion was **1,500 times more terrible** than the Hiroshima atom-bomb.

Some scientists believe the weight of the "object" was no less than 100,000 tons. The blast wave circled the whole world, and caused strange phenomena in the skies night after night, thousands of miles distant from the Tunguska River.

Obviously, if the "object" had fallen on a populated area, say a large city, well . . . try to imagine 1500 Hiroshima bombs concentrated into one dreadful blast.

Many, many researches have been done on the Tungus Disaster. Strangely, way back in 1930 the Soviet astronomer Astapovich said that a comet was the likely cause of Tungus. In the 60's, Fesenkov supported that view.

And in 1971 Zotkin, a Soviet expert on meteorites, likewise backed the comet theory. But more, Zotkin stated flatly that *similar objects fall on Earth all the time!*

Only not such big ones. Zotkin listed quite a few. The 1965 "shooting star" that alarmed millions in Canada (became known as the Revelstoke Meteor). The 1966 "star" that panicked many in north-eastern USA, exploding over Lake Huron.

That time, the shock-wave was recorded in laboratories of 14 states. And in 1969 a similar "visitation" caused earthquake-type vibrations in four stations across Canada.

The Soviet astronomer Bronstein in 1976 published his findings on 33 "shooting stars". He showed that 23 of them had trajectories (paths) similar to Tungus, while the other 7 were more dense.

His report strongly backed the idea that these objects are comets, whose "heads" consist of ice.

Of course, up until this year, when the Soviet Vega space-ships took the first photos of Halley's Comet, the "ice head" theory was not accepted by all scientists. And few believed that comets contained a wealth of chemical elements. Now they know.

What's more, they know that the mysterious particles found where Tungus exploded came from the ice head of a gigantic comet.

These particles are found nowhere else on Earth, not on the surface or the interior. Moon's soil doesn't contain them, either. They just don't "belong" in our part of the solar system.

These strange chemical mixtures were spread over a wide area of the Tungus "target". Now biologists believe that these "imports" explain why the forest grew up again so vigorously, after the blast wiped it out. The first theory was that Tungus was really an atomic "weapon" of immense power, and the resulting radiation was what stimulated plant growth.

Examination of Halley's comet cancels the "nuclear bomb" theory and supports the idea that the particles showered on Earth by Tungus were **powerful fertilizers** for trees.

In fact, already Soviet experimenters have made up artificial "comet dust", and tried it on plants. Their report calls the effect "staggering".

What seems to be a very odd-ball combination of nutrients, such as a comet brings, has an incredible stimulating effect on many growing things.

Here you may want to recall the various theories put forward to explain the Tungus phenomena. Beginning with the long held "meteorite" explanation.

But when no trace whatever was found of such a celestial arrival, imaginative people said Tungus must have been a Space Ship.

Or a nuclear weapon sent to Earth by hostile Intelligence out there. Or, a laser ray of incredible power, beamed against our planet, possibly as a "friendly" signal.

But the original comet theory steadily gained strength, especially when calculations showed Tungus probably had a "head" of ice (or snow) weighing around 100,000 tons. That kind of object would explain an awful lot of sound-and-violence.

Ice or not, any huge body crashing into Earth's atmosphere will instantly develop heat up in the thousands of degrees temperature range.

Now, a final "puzzle" solved.

Many observers, and scientific researchers, felt that **not one** but **two** objects came in for a landing that June day in 1908. Today, it seems that **only one thing** came down, but at such an angle that when it hit our atmosphere it **bounced back up** (ricocheted). This explains two different kinds of "sightings" made by observers on the ground.

Now the challenge in USSR is to go out and **find that second landing place** in the dense wilderness.

Where to look? Mathematics (and the new facts obtained from Halley) can give promising clues.

But in the meantime, alarming possibilities have occurred to some scientists.

If Earth is being hit by comets every few years, what are the chances that one will be many, many times **bigger** than the Tungus arrival?

And land not in any uninhabited zone?

And then, if a "snowball" can do such damage when hitting our atmosphere, what are the possibilities of throwing **weapons** of similar kind?

Clearly, Space Wars must never be.

We'll be worrying about their grain

Soviet farms lead the world in production of wheat, rye and barley. But they also import tremendous quantities of grain. Since the 60's, they've boosted their harvests of grain by 50 percent. But they've also greatly increased purchases from other countries, including Canada.

This seems to contradict common sense.

Yet the common sense is only too painfully clear to them. Their climate (over most of their farmland) doesn't allow them to grow corn and soy. So they must import huge amounts of fodder grains from elsewhere.

Worse: these fodder imports didn't give them enough increase in meat production to be worth while. Lately they've been using cattle fodder with 60 percent grain content, compared to 20 or 30 percent over here.

"This situation is not to be tolerated," their agricultural planners stated flatly, early this year.

Their way out? First, if they can't grow enough soy and corn, they'll push the harvest of rape and alfalfa.

Starting now, every Soviet region will be required to cut drastically the grain in fodder mixes, replacing it with rape, alfalfa, protein mixes and the latest vitamin additives. Plus special efforts to replace grain with every kind of local fodder "roughage".

At the same time, most republics will speed irrigation projects, which will enable them to grow some corn and soy even in climates far harsher than in North America.

And fodder grasses of many kinds will be cultivated on a scale they've never before attempted.

The question of who is going to carry this out is now a decisive question for Socialism.

It definitely won't be achieved "from the top". Each Republic, and each region and district, will be fully responsible not only to plan a drastic cut in fodder grain use, but also to see that the cuts are carried out.

This really boils down to the responsibility of the millions of Soviet farmers in Co-Op and State Farms. They must figure out what they will do on their land, and then take all measures required to do it.

You won't find anybody over there *boasting*. But everyone grasps this basic fact: before 1990 they're going to harvest 250,000,000 tons of grain per average year. And it won't go into cattle feed.

The meaning for the western world's grain farmers is very clear. Before we know it, the USSR will be self-sufficient in grain.

They have no intention of cancelling present grain orders. But by the time contracts expire, Soviet agriculture chiefs will be moving into the grain-export market.

According to standards of the World Health Organization, Soviet people are now well fed, in terms of daily energy intake (calories). But this doesn't satisfy Soviet health authorities. They find the average diet for most people over there is still lacking in fruit, vegetables and meat.

Moves are under way to correct this.

But not, as our media claim, by replacing Socialism with an "open market" economy.

On the contrary: the Socialist system is retaining its key positions in food production and distribution, while encouraging the new agricultural-industrial enterprises to go for maximum production by all means available.

The man responsible for the new Agro-Industry enterprises, Vsevolod Murekhovskiy, says frankly that "The restructuring is not proceeding easily."

Two main reasons. First, years of habit, especially sending out "directives".



Second, too many officials have a poor knowledge of economics. They must immediately "get with it".

A vital part in this is an advance in Socialism's basic agricultural approach. The system will still tell farmers how much grain, meat, fruit, vegetables, etc., are needed to carry out the broad plan. But there will be unlimited stimulation by higher payments for all harvests over the planned goals.

At the same time all Co-Op and State Farms will change over to cost-accounting, so farmers will know exactly how their efforts are being rewarded in cash.

Great majority of Soviet farmers will from now on be working in production teams (long found to be highly effective, in several farm regions). Many such teams will work on a contract basis, giving strong bonus incentives to carry out specified production targets.

Farmers will set up construction and machinery enterprises working on a strictly economic basis, also working on contracts.

The job here is very big. Involving many millions of families on the land. But the pay-off likewise is on a scale as vast as Socialism.

Tens of millions are getting results this year.

The determination, confidence and character of the Soviet farm people you can best judge by picturing the size of the tasks they've taken on.

Nearly a third of the total "product" of Socialism today is made on the land. There are tens of thousands of big Co-Ops and giant State Farms. Associated with those who work the soil are more than 25,000 huge enterprises that process, store and transport agricultural output.

They realize that they are far behind the West in "processing" foods. For example, they still hold 40 million tons of potatoes "in the raw", instead of quickly turning them into chips, dehydrates, etc.

All over USSR they're now building drying and fast-freezing plants. Just the factories to handle their enormous beet production will be putting out 115,000 tons daily.

Behind this effort, Soviet industrial workers will have to master the production of 485 kinds of processing equipment, most of it "high-tech".

Even the railway-workers' plans are staggering. Thousands of new freight cars per year must roll off the lines, the majority of them refrigerators.

We haven't touched on meat and poultry here.

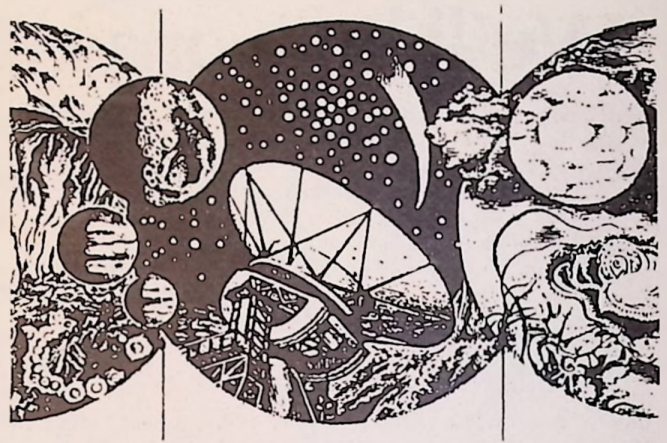
Meat output will climb 4 million tons a year, twice the rise they achieved in 1980-85. Hundreds of thousands of tons of milk (and products) plus billions of eggs are now in the "contract" stage.

The only factors being sharply reduced are countless managers and their no-longer-needed offices.

Perhaps for the first time in Soviet history, our experts are not dismissing Socialism's plans. In our grain trade especially the message comes through strong, and worrisome.

The big lie about "Star Wars"

Three years ago Ronald Reagan called on USA nuclear scientists to "turn their great talents to the cause of mankind and world peace". By making the world safe from nuclear weapons.



The USA's appeal made waves over the whole world. "Give us the means," the President appealed to scientists, "to render these nuclear weapons impotent and obsolete."

Sounded like the answer to everybody's prayer.

How to do it?

With super-scientific counter-weapons that would detect and destroy any missiles the "enemy" might launch.

Thus warfare would be carried out into Space. And so the media and people named the program **Star Wars**.

At first, following Reagan's scenario, everyone looked on this program as solely *defensive*. But as details began to leak out (at first in the scientific press) it became evident that every defensive system in Star Wars was *offensive*.

Company after company began to boast (mostly to their share-holders) that one or another Star Wars **weapon** was already being **tested**.

And then many observers spotted this fact: the whole idea of Star Wars was based on General Daniel Graham's earlier "**High Frontier Project**". He was chief of Intelligence in the USA Department of Defence. And prominent in the "Heritage Foundation", that far-right ideological centre.

More revelations. Both the military and the top weapons research scientists proudly pointed out that USA had, **long before** Reagan's speech, set up a separate **Space Command**.

With a big-name staff of its own, plus planning and research facilities. All concentrating on **new systems of weapons** to be based in Space.

More: these new weapons, out in orbit, were to be linked to USA's vast network of ships, subs and aircraft, to enormously **increase their offensive powers**.

Since the speech in 1983, it has become clear from the technical press that close to 20 of the biggest Pentagon contractors are working full blast now on **far-out weapons** like laser rays, "particle-beam" rays, and missiles that can "target" themselves without control satellites.

However, to many the most surprising disclosure is that the entire "shuttle" program was only a preliminary for the creation of a huge **Space War Station** to be set up in permanent orbit "out there".

It's down in black and white: USA government has allotted to this project that huge sum of \$11,000,000,000.

This War Station is now the subject of much controversy. Its main task is to be the "battle management" heart of Star Wars. This really boils down to the development of a computer system that can "declare war" by itself, after analyzing what appears to be a missile attack. But it won't have **any time** to allow for **any human control**, and no reputable computer scientist would trust computers to **handle a situation that's never before been faced**.

To put it another way: the battle-management for Star Wars **cannot be tested** to see if it works correctly, because it must act instantly to *new and unforeseen situations*.

It's difficult for ordinary citizens to see what this means.

One of the USA's very top military research scientists, Dr. David Parnas, recently resigned from this project and has publicly exposed it in *American Scientist* (Vol. 72 No. 5). He states flatly that the project includes **not one person** who has any experience in any battle-management computing, let alone far-out systems intended to go on the Space Stations.

From his own experience, Parnas says that the type of researchers the Pentagon has doing this work *cannot judge the quality* of what they turn out (can't see the forest for the trees). And this scientist hits hard with another charge: everybody engaged in the Pentagon work **stands to profit** from its continuation, regardless of whether it can do "battle management" at all.

Suppose we move right up to the daily news. Lately we've heard a lot about those underground "nuclear bomb" tests at the USA's secret station in Nevada. These are *not bomb tests at all*, they are tremendously powerful "pulses" of energy which "pump" **laser-ray weapons**.

Such ray-guns would be mounted on that "High Frontier" out in orbit, and could inflict disastrous damage to another country.

No defense intended at all, purely offense.

This is so far removed from that 1983 promise of Ronald Reagan to make mankind **safe**, that Washington is *getting worried*. Suppose USSR or some **other nation** goes for nuclear-pumped laser-killer guns?

Business Week (April 21) guesses that the whole Star Wars program, because of "technical problems" and enormous cost "may be facing the beginning of the end."

If you can grasp "enormous" sums of money, you'll gain much understanding from **the facts**:

- It costs about \$2000 to put a pound of weaponry up into Space. As of today, "Star Wars" needs to send up to the Station 20 to 200 **million pounds!**

- Using the Shuttle (if it works) the Pentagon would have to make **600 to 5000 flights!**

All that while other nations (including USSR) just sit back and marvel at this Buck Rogers Billionaire act.

Small wonder that two-thirds of all USA scientists in this field say Star Wars couldn't protect the nation.

Soviet scientists are more emphatic. Their stand:

- Just as it is impossible to "win" a nuclear war, so it is **impossible to win the new kind of arms race** which USA has started with Star Wars.

- Any program aimed at winning military superiority in this age **will not bring any political gains to anyone striving for this**.

- While new weapons systems are still on drawing boards, or being tested, **this is the time for humanity to put a stop to the whole thing**.

No one any longer believes Reagan's lie about "saving" mankind. His "defences" serve only **worse offensives**.

Their papers don't pick out bad news

Soviet people prefer to get what's really happening

Another first in Space (not reported here) when the two cosmonauts (Kizim and Solovyov), orbiting over 50 days, left their "Mir" ship and travelled in the detachable Soyuz-T craft, over to the big Salyut-7 complex. Thus they demonstrated that humans can move around freely in orbit outside Earth. They had completely serviced Mir's equipment, and will now prepare Salyut-7 for elaborate researches.

Even before that "27th Congress" began, Soviet industrial workers had speeded their 3-months' output by a whopping 6.7 percent. Hundreds of new automatic lines were set up. Over 290 heavy new industrial items went into production. Including very big "Volgar" tractor and "Don-1500" grain harvester.

Space fans will take heart from latest finding of Soviet astronomers. After long research, they've selected 50 stars (suns) reasonably near Earth, all of which could have life-bearing planets circulating around them. More: these "systems" are within 33 light-years of our Earth, so no impossible energy sources are required to make communication with us. Soviet hunt for Extra-Terrestrial life forms will be narrowed down to these stars.

First giant South Yakutia coal mine, with its last (fifth) stage in operation, becomes largest in USSR. Output is 13,000,000 tons of high quality coal per year. It has 20 layers of coal, and the top one alone contains half a billion tons. New miners' city of Neryungri is proof against worst blizzards and also earthquakes.

By popular demand "Pravda" now appears in German, prepared by a Cologne commercial publisher for sale in West Germany, Austria and Switzerland. Initial run was 300,000 copies. Incidentally, translations of "Pravda" into French and Italian already are regularly published. (When do we get it in English?).

Beautiful buffalo-like aurochs are thriving in the Carpathian mountains of Ukraine. Thought to be exterminated in 18th century, they've been brought back to natural surroundings since World War Two. Great attraction for tourists, but the animals are zealously protected.

So popular are amateur drama theatres that Moscow alone has nearly 300 permanent "companies". And that's typical of the whole Soviet Union. So their National Festival of Folk Art, now underway, will take 18 months to see all contest entries. Moscow people are betting on a win for their Drama Studio, mainly because of its new and original version of Hamlet. Festival's climax is scheduled for 70th anniversary of Soviet Revolution, coming in autumn of 1987.

The day you read this, and every day, 27,000 Soviet people move into new apartments. That's well over two million a year. No other country comes near it.

A museum for the great writer Sholokhov is being set up in his native parts. Around the Don River village of Veshenskaya. But because millions of his readers will want to see exactly what he wrote about, the "museum" will include fields and forests totalling 25,000 acres. Over 97 million copies of his books have appeared in 88 languages.

Talented surgeon Alexander Klimchuk badly damaged his wrist. Fellow-surgeons worked on it for two years, restoring bones, muscles, nerves. Klimchuk has now performed 25 operations with that hand.

Biggest prize ever won in a Soviet lottery was 71,325 roubles picked up by Alex Gagalauli, who bought 15 tickets (price 4.5 roubles) in the very popular "Sports-lotto". Every week 9 million tickets are sold. You can win 3 up to 10,000 roubles (on a ticket). This lottery leads them all in USSR because "everybody wins". Meaning the proceeds go almost entirely to finance sports facilities, even to paying for big stadiums equipped for many kinds of sports, which serve people free of charge. Now another sport lottery has started: "Sprint". You buy an envelope and open it up and know instantly whether you've won 50 to 10,000 roubles or a new Volga car. Proceeds go to assist sports activists and all who strive for physical fitness.

The Caspian Sea is now a huge "seal breeding" tank. Strictly protected by stern hunting rules for past 20 years, Caspian seals now number 600,000. They migrate to various areas of the big sea. Adults spend most of winter under the ice, with newborn young staying at air-holes.

First time ever, helicopters are loading heavy freight. Big MI-8 copter can transport heavy fresh-cut timber from inaccessible sites out to waiting ship. Tests prove this is cheaper than building logging roads to standard ports. Full load can be put on board within 24 hours. Now they're doing it with some ores, too. Four copters can load a big ore-carrier in two days. System is very attractive for new Siberian developments far from rails, roads. No airports are required.

Helicopters for heavy construction work have come into their own in Soviet Georgia. Already they've laid, entirely without ground support, the USSR's highest electric transmission line, through Caucasus Mountains. Unexpected payoff was the fact that putting giant towers up by copter does not destroy the magnificent mountain scenery that is ruined by scars of construction roads. Engineers were surprised when the helicopter teams did the tough job faster than any other system.

Western reporters really mobbed press officers, at recent "27th Congress" in Moscow. Main demand: to meet the 3,200 officials who had been fired when Soviet agricultural-industry was streamlined. Turned out that these men and women had all been placed in other jobs opened for skilled managers in new fields of production. Most of them also were given "severance pay" to assist in re-establishing.

New theory of tornadoes is attracting world-wide attention. Dr. Genrikh Talalaevski says speed of rotation of "funnel" is vital factor, because it alters gravitational effects. In center of twister, objects gain weight and are flattened as they're smashed earthward. Outward from twister's core, things lose weight, and this explains how huge objects are picked up and hurled far away. *How is your imagination today?* Some scientists wonder if this Soviet approach opens the way for "control of gravitation", by man. *New ways to fly?*

Factory-made solar power units have been developed by Moscow architects. They're making "blocks" intended for use in places far removed from power sources. Block has a big flat solar "collector" (like on space-craft) which supplies lighting and heat. In summer, reverse action cools living-quarters. Especially intended for isolated construction crews for whom fuel supply is a big problem. Blocks can be quickly moved by helicopters.

Since USSR colleges began this assistance, over 350,000 specialists from the Less Developed Countries have been given a higher education. This summer about 115,000 students are attending 750 Soviet institutes. They represent 150 countries. About 25,000 graduate each year.

"Mariculture", or fish-farming, is big on Sakhalin Island. Over a billion tiny "fry" of various salmon species are released each year. Experts estimate that within a few years this Far-Eastern mariculture will supply over a million tonnes of quality seafood.

A nuclear-powered carrier for freight-lighters is a ship that's really king-size. It's 20 storeys high! Will take on 74 loaded lighter-barges or 1,324 freight containers. Has power enough to break ice in most northern waters and is intended for year-round service.

In answer to production-appeals at 27th Congress, Soviet steel workers boosted their output over 10 percent in first quarter of 1986. In addition, Soviet industry in general saved 700,000 tons of steel previously wasted in obsolete designs and machining.

Farming is moving into distant Siberia. Big hydro-electric plant is going up on Vitim River, and not only for power. It will end flooding of highly fertile Muyskaya Valley, where big farms will soon be organized.



Here you can share your views with others

In difficult times your opinions are all the more welcome

"After the numerous articles in NN concerning safety measures used in Soviet nuclear plants, especially the echeloned inspection system (second corps reviews first inspection, then third corps follows) it came as a marked disappointment to me that 'human error' was the cause of the Chernobyl accident. I would like to see your comment in next NN." S.S.

Reply: As we explain on Page 4, when this went to press we still did not have any complete explanation of the reactor failure. Obviously, if the accident was not a *foreseen possibility*, a dozen "inspection corps" would not have been able to prevent what was coming.

"Would like information on getting medical help in USSR. Do they have treatments for rheumatoid arthritis that we do not have?" M.S.

Reply: Treatments they use stress long-time physiotherapy in special resorts, and it's not practical for them to prescribe that kind of care for foreign patients. For similar reasons they don't accept foreign patients with heart diseases, neurological and mental problems, and cancer.

"We've read so much about the 'dismal' showing of the Soviet economy that I thought you might have missed this tiny item, from Reuters on April 20. 'Soviet industrial output was 6.7 percent higher in the first quarter of 1986 than in the corresponding period of last year.' No doubt you know that such a rise over here would send Wall Street sky high." F.L.

"Enclosed is my donation for your excellent magazine. Without it one could not get an accurate picture of what is going on in the world today, so pervasive are the capitalist media, especially those of USA." L.S. (Hiroshima, Japan).

"Sorry to make you wait for our donation, but we had to wait for our milk cheque. Times are hard for farmers. Milk prices keep going down, and costs keep going up. We so enjoy NN." L.K.

Sorry I'm late with my donation but I've been away with my sister in Brazil. Had a good time but sure glad to get back to Canada. Please send me copies of 'Pinch of Salt' and 'Maple Leaf'; my sister never received the ones I sent before." T.D.

"Your publication 'Do People Need God?' is a nice work. But 'Do People Need Vitamins' is a disaster which is going to cause more casualties than those of Chernobyl. (Follows a long letter packed with the usual 'diet deficiency' theories which blame doctors, hospitals, pharmacies, for extracting two hundred billions a year from patients. No mention of the hundreds of billions made out of vitamin supplements. NN stands by our report, which left the whole question up to Readers. We note also that the media are releasing factual reports on people made seriously ill by taking all varieties of "supplements"). Letter ends: All my friends are over 60. All were in the hands of cardiologists. Following my recommendations I cured them." J.P.

"I long ago quit paying Health Stores for vitamins, and feel great." K.V.E.

"In 1918 when the West began invading the new Soviet land the Scottish coal miners spoke up with 'Hands off Russia!' I was one of them. Ever since I've known that Capitalism will come to its inevitable end." M.M.

"Had pleasure of visiting USSR for 21 days. Travelled about 7000 miles, with great pleasure, so peaceful and relaxed that I hated to come back. Have read NN for many years and it's 100% true." H.L.F.

"Back from 10 days in Russia. Guards inspected our bus for two hours. Lots of culture shock like that. Bumpy roads, shacks, nothing ever finished. People docile and friendly but very few smile! Very dour country, no humor. Disappointed." P.G.

"All these years you've had nothing but praise for USSR. Have 'they' ever tried to stop you? Being strong believer in rights of working-class I visited USSR to satisfy my curiosity and find out for myself. Now I know, and can understand NN a lot better." J.J.S.

"Here's a list of books dealing with the war, issued by the big publishers *Barnes and Noble*. Among the 23 books (intended for students) not a single one mentions USSR!" A.B.

"Ordering two reports. Though I'm 8 years younger than my husband, I now look 10 years older than he. No time like the present to do something about it. Thanks, and much, much luck in your endeavors." N.L.

"Can NN Readers make a donation towards building the Victory Monument in Moscow, as Soviet people are doing? Can money be mailed to your office or directly to Moscow? To what name, address, etc." M.M.

Reply: We don't know of such collections being made abroad. But you can send money to *The Soviet Peace Fund*. We don't handle payments (we haven't enough staff). Suggest you first write to the Peace Fund, Moscow, USSR, and ask them to advise on how to send donations.

"In your advertisement for tours to USSR you give the 'land package price' but not the total price. What is 'land package'?" D.W.

Reply: This is the term used everywhere by travel agencies, and means the total costs depend entirely on where you live (departure point) and can't be given in an ad, for obvious reasons. Agency quotes for each customer.

"My reply to 'A.V.' in March NN. 'I don't want to insult you but aren't you too huffy? Attacking religious people won't help Socialism but might start World War Three. I'm Christian and don't see any 'ridiculous gullability' in it. George Bernard Shaw was asked if he believed in Jesus. 'Yes,' he replied, 'but not as in the humble image, but as a most vigorous revolutionary.'" M.B.

"Today USA has broken the nuclear weapons test ban for third time. What is one to think of this, especially when Reagan calls USSR 'the evil empire'. It's incredible that people can be so easily spooked and brainwashed." J.B.

"I listen to Castro on Havana radio. He's intelligent and can be humorous even on serious problems. He, and Cuba, are a LAMP unto all Central American and Caribbean peoples." L.S.

"When I didn't get my November NN you sent me another. Then the first came through. So I gave it to one of my relatives whose eyes need to be opened. My donation is enclosed." N.W.

"Please print this request of mine, that Stalin be put in his rightful burial place. And Volgograd be changed back to Stalingrad. If it wasn't for Stalin we would all be talking German today." N.N.

Note: We receive many requests of this kind, but due to lack of space we must leave them out now.

"I believe the two books your reader is after can be found in some reference libraries. Titles: 'History of the Civil War in the USSR'. Authors are: Gorky, Molotov, Voroshilov, Zhdanov and Stalin. Date back to 1936." A.R.

"Since Socialism took over in Russia in 1917 I have believed it was Jehovah God's movement for the entire Earth. God will soon destroy our wicked system and establish His socialist government over the world forever." B.T.

"All your geese are swans. But if your accounts are only one-half factual and realistic, it is good news indeed." J.E.

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2 RESOLUTION
OF THE 27TH
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PARTY OF THE
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THE POLITICAL
REPORT OF THE
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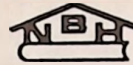
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IMPORTANT. As we announce on Page-18 of this 'NN', The Charlotte Carter Memorial Fund Inc. has just published the Eighth Listing of Names. If you donated to the Fund since the Seventh Printing, you are entitled to a copy of the latest one free. For all others the nominal price is \$1. Details of the Fund and its work you can find on Page-18.

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