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# NORTHERN NEIGHBORS

SEPTEMBER  
1983  
NO. 298  
85c

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



Vladimir Parashechkin's little friend is, believe it or not, a skunk. Name of Khryusha. Vladimir was taking a walk in the woods when he came across the little fellow, with two broken legs. So he took him for treatment, and then home. Now the skunk (deodorised) has no intention of going back to the forest and is just about the liveliest creature on four (mended) legs.

At left a giant Siberian tiger has been convinced (with some tranquilizer) to have dental work done. These wonderful animals were nearly extinct before the Soviet government protected them. Interesting story there, which you'll find on Page-3.

**Live To Be 100?**

PAGE 9

**Tasty "Medical" Salads**

PAGE 13

***What Honey-Bees Say About The 'Yellow Rain' Lie***

PAGE 8

**New Report "Sets" Cover Many Vital Topics — See Page-27**



# NORTHERN NEIGHBORS

The Magazine of Socialism in Action

GRAVENHURST — ONTARIO — CANADA

Canada's authoritative, independent magazine, reporting the U.S.S.R.

This is our 31st year publishing reliable, exclusive news of Soviet developments.

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## HOPE YOU DIDN'T MISS MID-SUMMER 'NN'

You know the only way our staff can get any vacation is for us to skip one summer issue, combining two in the July-August number. But in case you wonder about your subscription: no, you won't lose a single issue, because NN subs run for 10 or 30 issues and you get them all.

About 'vacation'. Problems, problems! Making a long story short, our landlord had to arrange a big shuffle in the 'industrial mall' where NN is located now. It was in our interest to accept new premises he offered. **But we had to move our entire operation!**

Of course the weather turned *very hot* and *very humid*. Really a chore to move thousands of publications without getting them hopelessly misplaced. Our press required special handling. So did other equipment.

It's all over now, but I must tell you that we ran into unplanned expenses. Even though we did not hire professional (costly) movers.

## ABOUT THAT "MEMORIAL FUND" ESSAY CONTEST

The Charlotte Carter Memorial Fund Inc. last year offered cash prizes for the best essays on the broad topic of *Liberation*. Readers have been asking whether or not we plan to publish any of the things that were sent in.

Sorry to say, no.

Reason: the Directors of the Fund found that none of the entries were interesting or useful enough to offer them to you for reading.

I'd like to stress that this decision was reached by every director; after reading all entries; without consulting any other directors (so there would be no 'influence'). The decision was thus **unanimous**.

One bright spot: the directors agreed that small token rewards should be sent to some of the young people who entered the contest.

Disappointed? Yes, we thought more entries would come in. But now we think the choice of topic was too *broad*, too *vague*, and this "scared" off many people who might have responded.

But something else: an expert in the field of "contests" told us we were hopelessly out-of-touch! He said the "essay contest" today is a No-No and hasn't been successful for several years.

## SOCIALISM MUST BE DOING SOMETHING RIGHT

Just sample the evidence right here in this NN . . .

Rescuing beautiful animals. Giving millions new homes. (New York says 36,000 people in The Big Apple now live in boxes). Sight to the blind. *Providing regular industrial employment to tens of thousands of mentally sick people!*

I also recommend the unusual health report this month, on three "herbs" which you never regarded as "medicines". Try that on Page-13.

If you won't let yourself get mad, and can enjoy a good laugh about something grim, read our expose of the *Yellow Rain* propaganda (P-8). You'll wonder how much lower they can get in our media. Lower than *bee-shit?*

Lots more wonderful news from that other system, next month!

NN's Quote-of-the-Month: "Truth travels without passports or visas. No one will ever be able to block its way. Truth will pass freely everywhere. It will take the masks off the war-makers. Truth now will arouse the people of the whole world to unite in order to bar the way to war." Prophecy of famed scientist Joliot-Curie, April 20, 1949.

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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**.





# TIGERS

The largest tigers on our Earth, and possibly the most savage wild animals, are the Ussuri Tigers that live in the Soviet far East.

Today some 200 fully-grown tigers roam over an area 360 miles wide, stretching out 600 miles. It is more or less wilderness territory.

Well, *there's the catch*. Every year more Soviet people move into this region — the Far East is rapidly developing — and the tigers who live there aren't afraid of them.

In fact, Soviet papers more and more often report, nervously, that a tiger "dropped in" to a farm settlement and made off with a tasty calf or pig.

Really these magnificent animals are not aggressive. But they find human beings moving into "their" forests. At a time when the tigers are *multiplying*, and so need more hunting grounds every year.

In Socialism you can't shoot these splendid animals. So, free from fear of man, the tigers have taken to making meals of livestock.

On a much bigger scale the Soviet people have long faced the same problem, with wolves. Those animals, and the country's laws, have changed greatly in the past 20 years.

First, in self-protection, Soviet farmers and ranchers carried out big wolf hunts. Then wolves were protected as "natural controllers" of deer and moose. Today, considerable wolf hunting is necessary.

But tigers would never survive such controls. They will always require protection by Man. Indeed, although these wonderful animals no longer face extinction, thanks to Soviet care, they still are listed in the world "Red Book" of animals-in-danger.

At present, Soviet specialists find there is no great emergency in the Ussuri tiger's habitat.

It turns out that only a very few individual tigers develop a liking for domestic farm animals. Once singled out, zoologists carry on "harmless hunts", capture the raiders, and transfer them to more isolated regions.

But that's a temporary measure. It is already clear that with rapid development of Pacific regions of USSR, *special tiger reserves* will have to be set up, in very large districts where people aren't going to settle.

This will end the kind of "confrontation" that could make tigers really dangerous. Soviet scientists are already mapping out the necessary plans.

# SEALS

In all the headlines and pages of print in our media, devoted to the slaughter of baby seals in Canadian waters, why hasn't some animal lover taken a look at the USSR?

Just as over here, so over there Norwegians and Russians hunted seals back in ancient times. After World War Two it was obvious that *mass hunts had to stop*, or the seals would be wiped out. So in 1957 USSR and Norway agreed to control hunting in the White, Barents and Greenland Seas.

But Soviet scientists weren't satisfied, and in 1965 all such hunting ended in Soviet waters.

Since then the seal population steadily increased.

However, most baby seals are *killed by nature*. Their mothers abandon them before they can hunt fish themselves, and many perish on drifting ice floes.

Soviet children are credited with solving this problem.

Kids in the coastal village of Zimnyaya asked a hunter to get them one baby White Sea seal. But when it arrived, for a long time it turned down food and affection. Only when it suddenly shed its baby fur, and appeared in a superb black-silver coat, did the seal eat and enjoy life.

This one young animal thrived so well that experts wondered how hundreds, or thousands of baby seals would get along with similar care, in captivity.

No sooner said than ... food and sun-lamps helped whole herds of baby seals to develop faster than ever in nature. Vets looked after sicknesses, so all survived.

The first such "sealery" started with 25 animals, in 1971. Today in just one "farm" (Koyda) they raise 34,000 baby seals at a time!

But to fill these open-air pens requires a really modern operation. First, baby seals must be spotted from planes that cover vast areas of northern ocean. Then, "hunters" of a new kind take off.

They fly in helicopters. Those ships can't land on the dangerous sea-ice. So men are lowered by lines for the hunt.

In one trip one helicopter can pick up about 50 baby seals, in huge nets. But each seal has to be tightly wrapped in padding, or they'll fight and injure each other during the flight out.

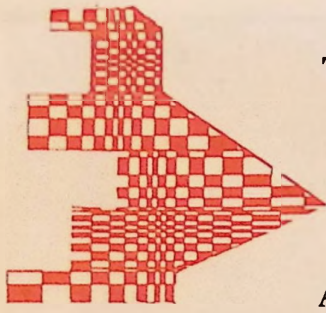
In this way big coastal sealeries are supplied with babies which, left naturally, would mostly die.

In modern Soviet life cats are gaining fame, with researchers.

Kuzya lives with scientists on the North Pole drifting station. Boris Borisyeh does similar "duty" at Mirny, near the South Pole. Keshu keeps everybody company at a very high observatory in the Pamir Mountains.

But *not* in tiger country, thank you.





## Truth-of-the-Month

# Beware those who say we'll lose!

## Answer the propagandists of nuclear war with all-powerful facts

You can sum up the USA's present drive as a "crusade" aimed at preserving the capitalist system and preventing any growth of Socialism, achieving these ends by any and all means, including world-wide catastrophic nuclear-missile war.

At present, we're not near the war stage. But we are in the preliminary stage of destroying detente, which is the only possible form of continued survival of our world — peaceful coexistence of the two different world social-economic systems.

Already the "crusaders" are trying to implant in our minds the idea that it is useless for us to fight them. USA and its supporters are so powerful that they can overwhelm all opposition. Nobody is strong enough even to prevent them from wiping us out with the bombs.

This is the familiar propaganda device used by Hitler, and he stuck with it right up to the end when Socialism pounded the lie out of millions of Nazi skulls.

However, you should never lose sight of the fact that Ronald Reagan is not Adolph Hitler.

### Crusade against the world

Already influential forces in Reagan's camp, like *Wall Street Journal*, have warned that this crusade has taken on a stupendous task, since it aims at "counter-acting the Soviet peace offensive."

Results so far?

Peaceful co-existence in Asia, despite intensive USA blocading and sabotaging, is working well for Vietnam, Laos, Kampuchea and Thailand.

The CIA is fomenting civil strife in India. But Indians want peace, and seem to be enforcing it.

In southern Africa repeated attempts to start war in Angola and Mozambique have been unsuccessful.

USA's "Camp David" plot to wipe out the Palestinians has been dealt fatal blows that favor real peace.

In Central America, despite a crisis (as this is written) many of Washington's allies are strongly opposed to having the crusade there erupt in gunfire.

However, you are justified in viewing all this as "secondary" crusades, not at all the main one.

### "Kill Socialism for 1000 years" — like Hitler?

The White House is now speaking in terms not of billions but trillions of dollars, to overwhelm Socialism both economically and with nuclear annihilation.

Remember the crusade of Capitalism's "Entente" way back when Soviet Russia was starting?

Remember how the Fascist crusade against Socialism ended with the extermination of Capitalism in many lands, and the world-wide elimination of colonialism?

Remember what happened to USA in Korea?

And nobody anywhere has ever forgotten Vietnam!

All these crusades failed because they were directed against the laws of history which are on Socialism's side.

This you can see vividly when you look over the results of Reagan's economic form of war against USSR.

It is the economy of the West which continues to move slowly through its longest crisis since World War Two; while the USSR's economy is enjoying even slightly faster expansion than Socialism planned.

Reagan's hope that his arms race would "bankrupt" the Soviet Union has proved to be wishful thinking.

The same applies to Poland. Victims of a sudden and severe economic blockade imposed by Washington, the Poles have made remarkable efforts (aided by USSR and other allies) and are now, admittedly, well on the way to at least a modest degree of prosperity.

### The main truth is the bitterest for them

No question that Reagan regarded his crusade as a way to win undeniable military superiority over USSR.

To do that, he launched his arms drive and also his military-base preparations round the world. And when this came up against Socialism's determination to defend peaceful co-existence, then the propagandists unleashed their current attack *against peace itself*.

But the central question has now passed far beyond the bounds of Socialism-Capitalism, to become a question confronting the very existence of mankind.

And the question is being "addressed" not only by ardent peace supporters but by . . . mankind itself.

Bankers, industrialists, statesmen, religious leaders of all faiths, workers, the unemployed, youth, women, even school-children (there are millions of Samanthas!) are meeting and often marching against war.

*This is happening the world over.* Because it arouses the basic human instinct to defend one's life.

### The enemy isn't "pessimism" it is NONSENSE!

Reagan's crusade once united all sorts of believers in turning-the-clock-back, from unsuccessful business men to "moral" fanatics. But today the remaining crusaders have lost their brave battle-cries and are compelled to fall back on . . . whining.

Realizing that they can't make the Soviet Union give up Socialism or peaceful co-existence, now they're trying to weaken our will for peace by spreading the pessimistic notion that peace can't win.

This is a last-ditch effort to overcome the historical truth that WAR CAN'T WIN.

Only those who are blind to developments everywhere round the world can swallow the line that humanity is going to lose out to nuclear war. Humanity has proved greater than all the crusaders who have galloped their way through and *clean out of history!*

In opposing the nonsense of peace-will-lose, you can depend upon massive support. This comes from the optimism of the people in Socialism, their faith in themselves and in us.

Soviet people see the world's masses rising to defend the future as they never have before.

We can't lose and you must tell everyone!



# Housing now in Socialism

**Soviet builders now claim that before 1990 they'll reach their goal of a private apartment or house for every family. You think so?**

**Well, each year they now re-house over 10,000,000 people. While the population rises by only 2,000,000. So it looks as if their confidence may be well supported. Check the evidence yourself with NN's latest report.**

"Lack of housing" in the USSR does not mean that anyone is *homeless*, as millions are in the poorest nations (and thousands over here, too). In practical terms: Socialism still can't provide every newly-married couple with a private home, so they must take what we call "flats", sharing accommodation (bathrooms, kitchens) with others.

Also remember that they have a terrific *demand* for housing, because it's practically *free*.

Their system (national economy) pays 80 percent of all housing cost (new, repairs, upkeep, services). Today that's *42 billion dollars per year!* So that their "rent", plus all utilities, takes only 3 to 4 percent of a family's budget.

Many build their own houses. They borrow 80 percent of the cost. But they can take 25 years to pay off, with *interest at one-half of one percent!*

And nowadays, for first time ever, state-built apartments in USSR are *superior* to many in USA — kitchens and dining-rooms always separate, for example. Plus far more good built-in furniture.

All have baths, showers, central heat. While in major cities like Paris over one-third of all housing has no bath, no toilets!

Incidentally: as people move into new Soviet housing their old flats are completely re-built to modern standards, and re-rented.

This summer *New York Times* reported on families with **no housing at all**.

In New York 60,000. In Chicago 25,000. In Boston 10,000. Most of them live in the streets.

And the Mortgage Bankers Association says 143,000 USA families will be put out of their houses in 1983 (mortgages foreclosed). Compared to "only" 101,000 in 1982.

While Moscow doesn't have any homeless people, the Soviet capital does have **housing problems**.

The city keeps growing rapidly. Some 1,000,000 people improved their housing since 1979. For every new apartment, one *other* family moved to better housing. And one *more* family no longer shared accommodation with anyone else.

But only some of the older 5-floor buildings are worth modernizing. Most must be torn down to make room for efficient 15-floor buildings.

This cuts housing costs, but raises **transportation problems**: even now public transport in Moscow serves *16,000,000 customers daily!*

The answer? Dividing Moscow into **eight sub-cities**. Each with 1,500,000 people. And everything they need to work and enjoy life *within their own "city"*.

For many years visitors to USSR have praised the housing programs in major cities. But only nowadays do you see really fine buildings throughout the countryside.

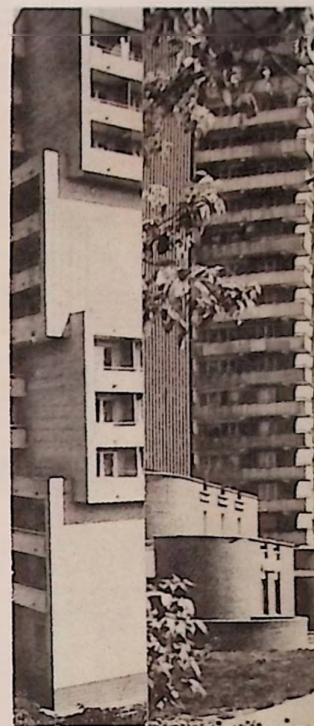
In Baltic republics for example, many farmers leave modern apartments to build their own houses. Typical cost is \$50,000. Paid off at \$800 per year. If you stay with one farm for 20 years, you get all the owing loan written off, for nothing, and the house is yours.

If you want to "sell" you must turn it back to the farm, which rebates you everything you spent.

Down south in the Caucasus they've worked out a different program, for farm families. They build entire little towns, with many styles of houses, and stores, clubs, halls, hotel, etc. Then they sell the houses on usual credit terms.

Can't meet the demand. Around Rostov 41 such communities are now under construction.

Most popular: homes for newly-weds, big enough to accommodate five children when they arrive.



Maybe you "get the point" here. In Socialism they don't use compulsion to achieve important aims; far better is persuasion. Their goal now is to have families with more than one or two children. When a young couple lives in a modern two-storey home, they face no crowding problem if more children arrive.

And more are badly needed in the booming agricultural regions of USSR.

Everywhere in Socialism, in city, suburb and countryside, the basic problem is **manpower**. Today lots of communities have the **money and materials** to build more housing, but ... *no builders*.

Kaliningrad people found a new solution. Young people who needed housing were given **time off their jobs** so they could join construction crews for six months.

They built a complete "suburb" to their own liking — swimming pool, lots of sports facilities, movie theatre, disco cafe, etc.

They even set up a community council to run local affairs as the young builders desired.

News spread far and wide. Youth in Sverdlovsk, for example, are finishing a real housing estate, for 1,716 families.

Yes, the part-time builders are paid well for their labor.

Newer still is a similar "youth team" system, but the tenants-to-be work *only in spare time*. This will avoid the chaos of hundreds of thousands taking time out from jobs for a whole half year.



# HOUSING



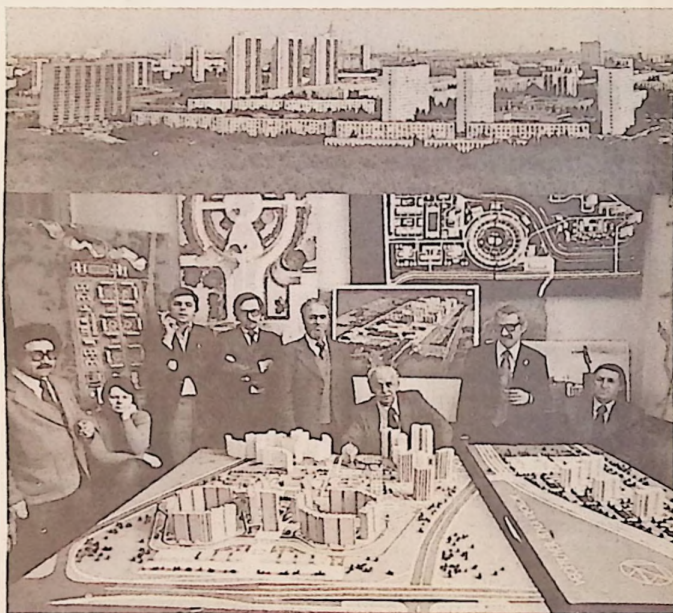
New high-rise apartment project will offer these fine beaches, with park, as an extra (no-charge) bonus for tenants. The now-purified Moscow River makes life cooler in summer for those staying in city homes.



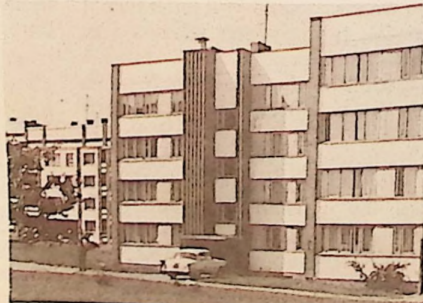
Here's first snowfall at Zheleznogorsk Ilmsky, one of 700 new cities and towns built in Siberia since 1963.



In Far North or down in hot sunny Yerevan, new housing rises everywhere. Here's a view of Norsk, the latest housing suburb just outside Armenia's capital.



Soviet people look upon Moscow as "the capital of the Socialist World", and take pride in that city's development. At top you get a wide view of the south-western district that's just been occupied by its first tenants. They can all enjoy their own small forest. As you'll understand, expanding and rebuilding a city of 8,000,000 demands the finest architectural talent, and here is the team that has created the beautiful new "south-west".



Rural housing is being transformed today, for both Collective (Co-Op) and State Farmers. Left: Kanumae is one district in Vilde Farm (Estonia). Center: many in Latvia prefer apartment-style housing, like here in Cesis. Right: in Lithuania most farm families like to live in "their own house", as here in Ukmerge.



# How long will YOU live?

Our media hushed it up, but USA and USSR have just completed the first part of an astonishing medical research project — USSR Academy of Sciences and US National Research Council co-operated. Their findings are of great importance to people everywhere. Surprising, too. "NN" has the facts from Dr. Viktor Kozlov, of the Institute of Ethnography.

For the first time in world medical history, the highly important question of human longevity has been studied by scientists of many specialties. Not only medical doctors but biologists, ethnographers (race), ecologists (environment), anthropologists (development of humans), and sociologists.

What's more, both the world's biggest "science powers" took part.

One major problem arose because the USA has no long-living population groups; as exist in USSR. This was settled by selecting one rural community in Kentucky (place called Robertson), where long-lived people occur more often than in the rest of USA. Soviet scientists concentrated on Abkhazia, famed for its men and women of great age.

But it soon became obvious that *limiting* this research to any one group would lead to *incorrect conclusions*. Especially, you could arrive at "formulas" for long life which would never work out for most people, in other places.

**First surprise:** people live very long not because of living in a special climate or eating certain foods.

Abkhazia is warm, gentle. But Yakutia is terribly cold, and yet many people there live long lives.

Abkhazians eat mostly "health" foods (vegetables, milk products). Yakuts live mostly on very fat meats and fish, never see vegetables.

So, obviously, science must study the entire "way of life", followed by long-lived people, before jumping to any conclusions or telling us all how to make it past 90.

Does this mean that very old and healthy Abkhazians and Yakuts have *nothing in common*, besides age?

Biggest surprise of the study, so far, is that all long-lived groups never change their life-styles.

In fact they never move away from where they were born!

Early in life they develop fixed habits of eating, sleeping, playing, working, and that's it. This applies to people both in warm mountain places and in frigid Arctic tundra.

Their life-styles are very different, but all these long-lived people stay with their own ways for life.

Remember, that also means staying right there, never moving away.

---

**Second surprise:** in one vital way the "environment" of long-lived people is everywhere the same ... in their communities people highly respect elderly men and women.

Indeed, in such communities old people sit on family and local councils, preside at important events, give advice that younger people seek and value.

But more than that: people don't suffer severe stress in these places, because grief is shared with others. Other big strains also are eased by community help. That applies also to family rows, which are "cooled" by others.

Closer study of these factors showed that children, early in life, became accustomed to dealing with life's problems by seeking help from others around him ... forming a life-long habit of *evading stress*.

Researchers soon realized that this "system" of handling problems actually reduced, drastically, the number of conflicts that are so common for most people (and so harmful to emotional and physical health).

So the "environment" which contributes to long life now has to be considered in very broad terms.

Naturally this complicates the search for a "long life formula". Who can say whether you should be a vegetarian or a fat-eater, head for the mountains or take a plane up north?

Should people drastically cut traveling and moving around?



The Soviet and USA scientists are also pondering another question. How long can humans live?

Li Chunk-yong of Tibet, they say, lived 252 years. The Japanese Mamepe went to 242. In USSR Shirali Muslimov got to 168 and had over 200 descendants. But tales of whole regions of 150-plus people *don't stand up*.

Soviet doctors have now checked the records of all people over 100, and cannot find one verified case of a man or woman older than 110 years.

Their careful searching of all over 90 years revealed that 60 in 100 of them lied about their age! Only 40 in 100 told the real truth.

---

Dr. Kozlov gave 'NN' his own views of this very controversial topic.

First, he is firm in believing that 110 years is a life-span that resembles an Olympic sports record: anyone's chances of exceeding that age are, well, very slim.

This explains why Soviet specialists today consider that everyone who makes it to age 90 can be proud of very long life.

Furthermore, Dr. Kozlov favors ending the idea of "a human species life-span". The economic, ecological, social and cultural conditions of life, throughout our world, vary so greatly that we can speak only of a specific "population life-span" — how old you could become in a definite place.

It's ridiculous to lump together Eskimos (who live two-thirds of their lives below zero!) and Africans who never need walls on their houses.

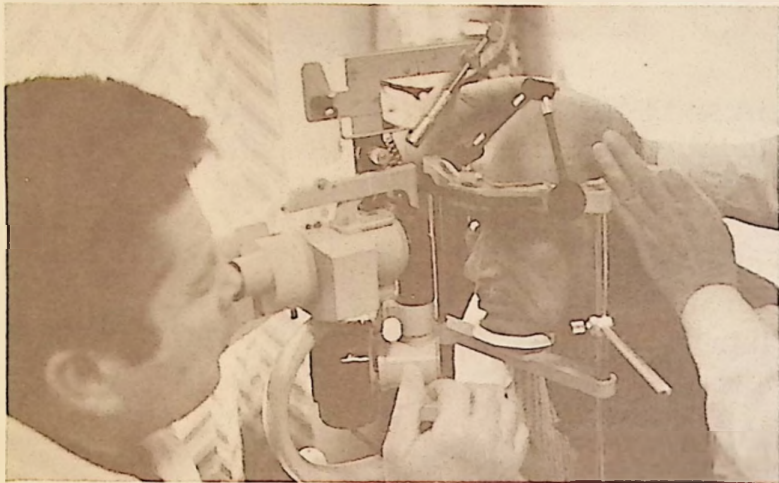
Obviously, some important conclusions can already be drawn from this joint USSR-USA research.

The worsening life-style of our own aged people must be considered as a medical obstacle to long-life.

Perhaps our old people should organize not so much for better hospitals as for the creation of social conditions that have now been proved to be essential for long life.



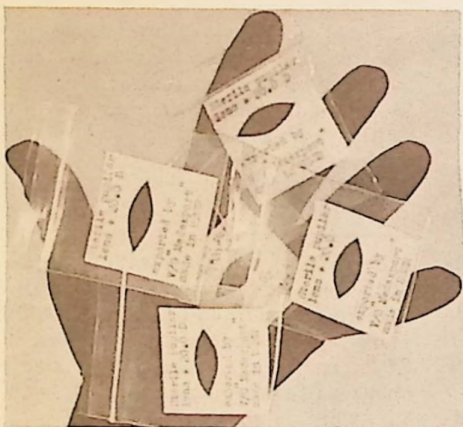
# Sight without glasses



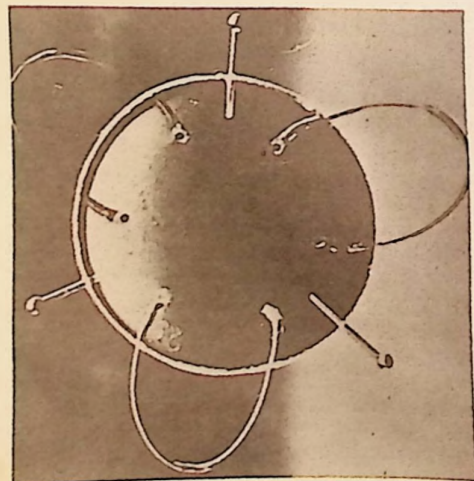
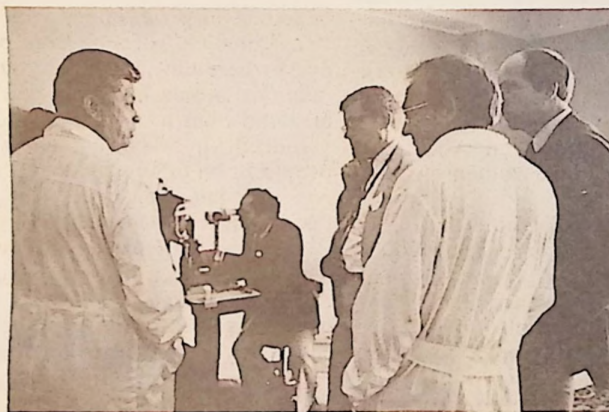
Soviet specialist Svyatoslav Fyodorov gained world fame with his amazing operation that eliminates need for glass in people with severe near-sight. Here he's examining a patient.



The Fyodorov Operation is not dangerous or painful, but demands the very highest skill.



Not "contact" lenses, these new Soviet lenses are fitted right into the eye itself, surgically.



Close-up of artificial "crystalline lens" created by Fyodorov. Right after "installation", in simple operation, nearly perfect sight returns.



Top: group of specialists from USA "seeing for themselves" in Dr. Fyodorov's research clinic. Today hundreds of doctors in USA, Canada and elsewhere restore sight with this operation. Shame on our media for never crediting these miracles to Socialist Science!



# "the blind receive their sight"

**Our world has tens of millions of blind people. Glaucoma and cataracts are worst causes. But myopia (near-sight) disables millions today. Here NN reports on the measures being taken in Socialism.**

Leading Soviet and world-renowned ophthalmologist, Dr. Eduard Avetisov, regards glaucoma as the eye's worst enemy, since this disease causes most blindness.

Shockingly, 25 people in every 1000, over age 40, now develop glaucoma.

It strikes men and women at the peak of their useful lives, and the cause of it remains a mystery to this day.

The Soviet Union has taken a world lead in fighting glaucoma, with a program of *examining 5,000,000 older adults every year, specifically to spot glaucoma.*

"This is our main achievement," Dr. Avetisov says, "because now we begin treatment while the disease is in its earliest stage. Examination also reveals people who are liable to develop glaucoma."

At the same time, advances in surgery makes it possible to save eyesight in 80-of-100 cases.

In USSR the *laser ray* predominates in surgery for glaucoma. The beam creates very small openings which discharge the intra-ocular fluid (in excess, this fluid causes blinding eye pressure).

Latest Soviet laser operations take only a few seconds, and cause no pain. The eyeball is not opened (as in other operations), and if necessary, later, the laser can be used again to open new ducts.

Doctors Felix Fridman and Alexandra Suprun have success with a different operation that uses "ultra sound" instead of the laser.

These modern surgical methods have another big advantage: they can be used on victims of glaucoma who (as is often the case) have other medical problems (such as heart disease, diabetes). Anesthetics are not required, the patient is not confined to bed, and this prevents complications which can be dangerous for many people.

Soviet specialists are more optimistic about glaucoma today than ever before, based on results.

A similar attitude you find among their specialists who treat cataracts. Surgeons have operated to remove cataracts on human eyes for 2,500 years. It's an extremely delicate operation, not always successful.

But now, instead of "the knife", ophthalmologists in USSR use the concentrated energy of ultra-sound. These inaudible sound-beams break up the cataract so it can be easily removed by suction through a fine needle.

In such operations only a very small cut is made in the cornea of the eye, and the procedure is not hard on the patient.



After no more than two or three days' observation, in hospital, patients can return to work with no remaining symptoms.

Just as glaucoma, so with cataracts, Soviet surgeons also use laser rays. In such operations the cornea is not opened at all.

Surprisingly, Dr. Avetisov tells NN that their new forms of cataract operations now achieve 100 percent success.

Near-sightedness (myopia) afflicts many millions of people, and though it isn't fatal, and is rarely blinding, it spoils life for countless children and adults.

In USSR today every sixth boy and girl, finishing school, is near-sighted. In Japan and some other lands the figure is much higher.

Soviet research shows that myopia has three features: it "runs in families"; comes with too much "close work" (and weak eye muscles); and worsens if changes take place in the eye's "white" (sclera).

But even *twins* may have myopia, or *not*, depending on how their eyes are used.

Myopia develops when a muscle called *ciliaris* is strained severely by doing eye-work at close distances. The muscle gets weary. So the eye structure itself changes. This may go on until the eye can no longer adjust for long-and-short distances.

In USSR, they now prevent myopia by using *medicines and exercises.*

For example, myopic people with glasses use different lenses for a few minutes daily, while reading. This makes the eye structure move in definite ways, and myopia is gradually lessened.

Dr. Avetisov explains that the eye's internal motions, when reading is done with special lenses, actually amount to "massage" of its tissues, and this proves to be highly effective. The treatment is especially good in preventing young people from developing severe myopia.

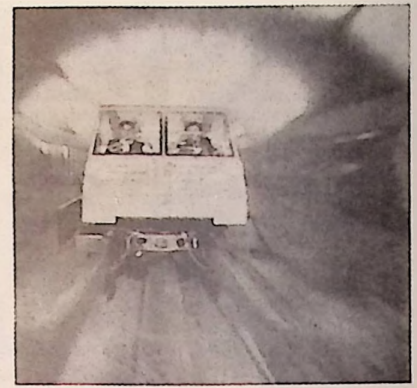
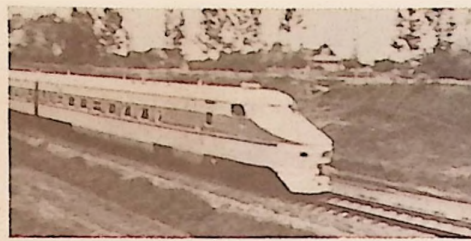
If normal school-children do these "exercises", very few ever become near-sighted.

In serious cases of myopia Soviet eye-surgeons now have a grafting operation which prevents any further worsening of sight.

A still newer method uses a chemical, *penagel*, which is injected into the eyeball. As it dissolves away, the eye's sclera become thicker and stronger, able to overcome myopia problems.

In Socialism all school-children are frequently examined by specialists, so eye troubles are quickly revealed. This preventive service, and any required treatment, is absolutely free "from cradle to grave".





# TRAINS

## Will you soon FLY over railway tracks?

You see many press stories about trains "floating" above tracks, kept up in the air by tremendously powerful magnets. Test cars of that kind are running today.

Magnetic "floating" is only one feature. The other is the "linear" electric motor which will drive such trains. This little-known device has *no moving parts*. Rather, its moving part is *the train itself*, which is pushed along by heavy electric power flow in the track.

You see why railway people are after these "flyers". No track friction. No noise or bumps. And the promise of speeds around 500 KM per hour (300 mph).

Experts figure such flying trains would replace air flight for trips up to about 2000 KM (1600 miles).

Our media never tell how advanced the USSR is in this field. At a big granite mine in central Ukraine they have used a flying train of trucks for 3 years; not for speed, but economy.

## Super-speed trains are already in service

You've read a lot about track-trains that run at very high speed, in Japan and France. For several years Japan has taken pride in its 130-miles-per-hour "bullet" trains that run on super-special tracks. Paris is now readying a 160-mph train.

In USA only the state of Ohio has any (paper) plans for a very high speed railway system. Stalled today.

Do you recall when NN's editor reported riding on the Moscow-Leningrad Express at 120 mph? *Years ago!* Still in reliable daily service, used by thousands.

## Today the Soviet rail system leads the world

Their 32 separate railway lines (over 142,000 KM or 85,000 mi) carry more than half the entire freight of all the world's rails. And *each year* they now haul some 200,000 million more tons.

In the immediate future, biggest advance over there will be the coming "on stream" of the tremendous BAM (Baikal-Amur-Mainline) railway in Siberia. Not only will this speed the industrialization of a whole continent, but it will influence world economy — cheaper to ship by BAM than via Suez and Panama canals.

However, Soviet railway men believe their continued conversion to electric locomotion will equal BAM in economic effect. Simply because ordinary diesel lines can handle 40 trains per 24 hours, while electrics can put through 140 trains efficiently.

Besides, they are currently laying 4,000 KM of new lines; 5,000 KM of double-tracking. The latter increases heavy train flow 500 to 600 percent!

When you put these advances together you see why they believe their railways have entered a radically new advanced stage of expansion.

Scientists are setting the pace today, with a remarkable Experimental Rail Line 17 KM (10 mi.) long, near Moscow.

In the Kievlyanka Knit Goods plant thousands of women workers operate a linear-motor conveyor system to handle materials. At the Transprogress Research Institute outside Moscow they're continually testing flying cars on a small experimental line.

Their findings from this work have led them to plan a full-size flying-train transport system for Alma-Ata, capital of Kazakhstan.

But Soviet rail planners are taking a go-slow attitude, right now, because **two problems** will have to be solved.

- o Very heavy electric currents must be supplied to flying trains; but the methods used to power-feed today's rail-bound locomotives won't work for "flyers".

- o Ways must be found to protect passengers from magnetic forces that could cause severe health damage.

Incidentally, USA faces no such problems because the White House dismisses future trains as crackpot ideas.

The Soviet Express has one big advantage: it doesn't need its own costly private line, because it operates safely and efficiently on **ordinary track**, on a main line that is used by heavy freight and passenger traffic.

Their "Express" does have special wheels and other features. Thus it can be braked to a stop (from 120 mph!) in 68 seconds, with the wheels reaching temperatures of hundreds of degrees, without damage.

However, their research shows them they've reached the practical speed limit for any country-wide rail system.

Here they've already perfected a system for braking enormous electric freight trains, so the force used is not lost as brake-heat, but changed into **electric power** used by **other trains** climbing grades. Last year this saved Socialism's economy 1,500,000,000 KWH of power!

Another change: increasing big freight-car capacity by just 5 tons per axle (special axles) amounts to giving them 75,000,000 tons more freight per year, with no additional trains.

Unique in the world, their Experimental Line develops new methods such as these, in 24-hour 365-day operations. Here they tested the world's most powerful engine, seen in our photo (top left). Its power is rated at 10,000 Kilowatts, intended for pulling the longest heaviest freights ever hauled.

You realize that 200,000 million more tons of freight this year tells it all about Socialism's *economic growth*. But think: railway expansion there, in turn, calls for 3000 new main-line locomotives, 11,000 smaller engines, and tens of thousands of freight cars . . . **basic industrial growth** which is limited only by *shortage of workers*.

Trains vividly reveal the central drive of the system that puts Man first, the unlimited good of his Labor.





## Soviet specialists turn to vegetable gardens instead of drug stores

### 3 garden "herbs" prescribed for health of millions

Nutritionist Dr. V.N. Budarovskaya comes right to the point. In her clinic, green onions, lettuce, and radish, are high on the list of "prescriptions" to prevent widespread ills and to cure many patients.

The natural forms of Vitamin C in these common salad ingredients are remarkably potent, the doctor finds. Because they are associated with phytoncides, plant biochemicals with strong anti-infection activity.

Nearly everybody can eat big daily helpings of green onions, lettuce and radish, excepting only people with chronic digestive-system diseases.

These garden "herbs" are widely used in USSR to help patients after operations or injuries, since they appear to have remarkable powers to restore damaged body tissues to full health.

But possibly their most striking results come with people, of all ages, who are diagnosed as having progressive atherosclerosis, in any of its many forms. This is the nutritional disease which so often leads to blood-vessel disease and heart attacks.

Since you can't get these natural medicines in pills, here are quantities recommended in USSR, for average people, daily: 100-150 grams green onions (about 4-6 ounces; 200 grams radish (8 oz); 300 grams lettuce leaves (12 oz).

Yes, they are best eaten "mixed" rather than separately. Note that Dr. Budarovskaya's findings show that the triple combination of these "herbs" is far more effective than any one taken separately.

— Besides Vitamin C, this "mixture" contains essential micro-elements, notably iron and copper. But the vitamin evidently "multiplies" the beneficial effects of these vital minerals.

— And in lettuce there is an abundance of Vitamin P, long recognized for its curative effects, in USSR, though still "denied any existence" by nutritionists here.

— In any case, the natural combination found in lettuce, radish and green onions is used in Soviet clinics to treat anemia; the "herbs" appear to restore normal formation of essential blood cells.

— Over many years they've also noted marked improvement in the health of gums, and the mouth in general, with lessening of "bleeding gums" (often a forerunner to loss of teeth).

— These and other curative effects, they say, are due to strengthening of blood-vessel walls, achieved by the combination of nutrients in their "triple prescription" of radish, green onions and lettuce.

— Surprisingly, these vegetables also contain the element potassium, now heavily prescribed (in drug store forms) for treating weak heart muscles, and for ridding the body of excess water-content.

This is far from all the benefits Dr. Budarovskaya lists for this "salad garden prescription".

- Kidney benefits follow from stimulative action, at the same time lowering salt content in the blood.

- The three "greens" contain no cholesterol, and, as so-called "ballast" foods they actually speed the natural removal of cholesterol from the body.

- Associated with this action is beneficial effect on intestines and bowels, ending constipation; all three "herbs" are "fiber foods", producing gentle but strong peristalsis (bowel contractions).

As over here, so in USSR specialists today look on the action of "fiber foods" very positively, many holding that they can prevent serious digestive-tract ills.

That follows from their prevention of hard masses of excrement forming, chronically, in the bowel.

Quite a few specialists (in all lands) go so far as to say the ending of constipation, by using natural "bulk" food, plays a major part in preventing cancer in many who are prone to that catastrophe.

It's important to note that Dr. Budarovskaya recommends "dressing" these three salad greens with vegetable oil, since this enhances some of their effects.

One rather off-beat benefit the Soviet nutritionist lists is improvement of mouth health, due to stimulation from chewing (radish especially), and the antiseptic action of these raw herbs.

For many, the best word of all is that no matter how good your appetite, and how much of these three foods you eat daily, it is highly unlikely that they will ever increase your weight. On the contrary: in some Soviet weight-loss clinics they urge people to eat more . . . lettuce, radish, green onions.

And that's quite normal, too, since after a few days this "triple prescription" begins to sharpen your appetite, which you can satisfy with plenty more of same!

However, due to the effects noted in this report, you won't gain pounds, and in all probability you'll notice gradual loss in weight (if you are over normal).

In addition, the "herbal stimulation" of appetite follows from profound nutritional improvement, and this in turn brings the feeling of well-being that is always associated with a health treatment that works.

Use of radish-lettuce-onions all year round may not be easy in some areas. But you may be surprised to know what super-markets carry nowadays. Prices may be high, but they should be viewed in comparison with the cost of drug store prescriptions.

Finally: the very best solution could be to take up indoor growing of these three simple herbs, as a kind of health-garden hobby, so you can supply your own prescription all year round.





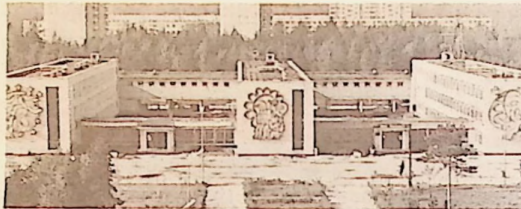
Dr. Alexandra Novak taking a walk with youngsters at Moldavia's Forest School, attended by boys and girls who have persistent health problems.



Marina Muntyanu's heart has greatly improved with the "outdoor" treatment.



Literally "from cradle to grave" health care is free in the USSR, with great many child specialists.



Instead of closing schools, they're building thousands of best modern designs, as in Novopolotsk (above). At right: this September First photo could be taken all over USSR when parents, and Grade One youngsters, start the big adventure by honoring their teachers.



No big-city girls here: they're trying for ballet careers away out in Krasnodar Region, in the well-equipped dance school of their Kirov Collective (Co-Op) Farm. Rural boys and girls get more "artistic" facilities every year.



Above: pre-school tots develop love for skiing, on Moscow's Lenin Hills. Left: thousands spend long summer holidays in finest resorts, like "Orlyonok" on beautiful Black Sea.



Children take... And not only Davitashvili

# In the system wh

One dollar in every ten of the entire USSR budget is spent on children. You can't help comparing their system with ours, when you see why they never try to economize at childhood's expense.



# More people love children



Polus, young medical nurse, with her children Kolya (two years old) and Nadya (nine months) pioneered new swimming program for children. The program is proven to build exceptionally good health. Children now learn to swim long before they can walk.



In some Soviet cities they're opening restaurants that serve only the smallest children. They find it's wonderful behaviour training, and the youngsters go for it enthusiastically.



More and more Soviet schools are turning to chess not so much as a game, but as an excellent "device" that improves learning rates. Girls go for it, and retain chess love right through adult life.



Children learn to figure-skating in USSR when quite young. In "wintry" places. Revaz Tskhedadze and Vika Tskhedadze in Tbilisi, capital of hot-south Georgia.



Above: Soviet boys and girls correspond with others in 41 countries, so USA's Samantha was no surprise to them. At right: typical scene in Gorky city children's clinic which handles 500 patients a day, most of whom come for prescribed health "treatments" like this exercise class.







Above: State Farm workers (on wages) often grow vegetables in spare time, for themselves, as here on Frunze Farm in Crimea. Right: Collective (Co-Op) farmers also do a lot of "personal" farming, aided by Socialism. Why this thrives today you can see from our very condensed summary of situation

## Quick survey of "personal farming" in USSR

Soviet Co-Op and State Farms now produce over 90 percent of all their agricultural output. But in their vast land the remaining 10 percent is extremely important.

Because the "90 percent share" of socialized farming includes all industrial crops, whereas that 10 percent is concentrated entirely on food crops.

To encourage farm families to grow more food, State and Co-Op Farms even let them graze cattle, sheep, poultry on public lands, with arrangements noted below.

This is by no means "petty farming" when you realize that it's carried out today by some 26 million Soviet families who have full-time jobs in socialist farming. "On the side" they look after 23 million cattle, 25 million sheep, 14 million pigs, 4 million goats, and an estimated 400 million chickens, ducks and geese.

What visitors never see is the fact that nearly all the feed for those "private" animals is given to farmers free or at low cost, by socialist farm managements.

Why? Because this enables 26 million families to feed themselves (very well, too!) and at the same time deliver huge amounts of food to consumers' markets.

In fact, most of all potatoes sold in USSR come from "personal" farms; about a third of the milk and eggs.

However, private farm output comes almost entirely from "crops" which require a lot of manual labor. It is steadily shrinking as mass-production methods appear, but meanwhile it feeds tens of millions in cities.

Socialist farms encourage this by supplying pastures, seeds fertilizers, millions of chicks and ducklings from big hatcheries, millions of calves and suckling-pigs from "industrial" stock-breeding centres.

A lot of the "private" farm work is done by pensioners retired from full-time socialist agriculture. But this is decreasing now, with new liberalized pensions paid to State and Co-Op farmers.

Even so, most Soviet planners believe "amateur farming" will persist for a long time, if only because it is a healthful and rewarding "hobby" for millions. Indeed, millions of Soviet city people have small personal farms.

Tourists in USSR often marvel at the tremendous public food markets, like the famous Cheryomushky in Moscow (and the capital has 27 others, too).

How come so much private-enterprise in Socialism? Farmers who sell in these markets even fix their own prices, changing daily as demand changes.

Look closer. In all these markets you'll find publicly owned "stalls". Their lower (state) prices help to control any private-sector profiteering.

Most important: what visitors don't see is that big Co-Op (Collective) farms also send produce to these "personal farmers" markets. They're after "top prices". But the extra profits don't go to individuals, they are pooled in the Co-op returns.

Big though they appear to be, the "open markets" are getting less and less of the consumers' money, as huge modern state farms appear as food suppliers.

But the Communist Party in the Soviet Union is a very practical guiding force. They're out to increase the people's food supply now, and if a new method works, they'll push it.

Like in the Kabardino Republic Co-Op at Argidan, with 1500 families. Farming there leaves people with a lot of free weeks. After trials, they decided to mobilize all families to raise ducks on a mass-production scale.

A family gets 200 one-day ducklings. Free feed. Two months later, they have to turn back to the Co-Op 140 ducks (for market). Keep the 60, or sell them for 200 rubles. And do that several times per year.

It's real money. The little work required is done by pensioners or children.

Just by operating a small hatchery, the Co-Op got a real mass-production duck farm. Old people felt useful and needed, while boys and girls were introduced to the farm jobs waiting for them later.

In Ukraine a similar plan involves rabbit-raising.

You'll see here, in essence, a fast way to multiply quality food supplies, by overcoming their shortage of labor and avoiding huge capital expenditures.



# MORE POWER TO YOU!



As Socialism extends its influence round the world, the many Soviet magazines, in English and other languages, are rapidly increasing their circulation. Because they provide detailed, specialised knowledge that builds personal power today.



**You'll really enjoy** what many call "The Reader's Digest" of the Soviet Union. It's "Sputnik"... which selects new, important things from 13,000 magazines, newspapers of USSR. You see every aspect of life in Socialism. Digest size. Lots of photos, many in color. Very popular world-wide. *English, French, Spanish, German Russian.*

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Sports may be the same the world over, but view of athletes and fans in Socialism can be very new. This sports monthly read by many who never look at "sports pages" here. All the World of Sport seen from Socialism. Photos, monthly

**"SPORT IN THE USSR" - \$13.00**

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**You'll look forward** to postman bringing your copy of USSR's only "story" magazine in English. World's finest translators offer Soviet short stories, novels, plays, poems. Plus important world cultural news, views of progressive intellectuals. Monthly.

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**N E W ! "MISHA" -** For pre-school children (and their parents!). Beautifully illustrated, no violence, similar to wonderful Soviet kiddie's books. Like a new book every month. English. Year \$18.....

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**All these Soviet periodicals are in English. For other languages, see special Order Form on Page-26. Magazines come directly to you by mail from Moscow. Usually arrive before they appear on news-stands. They make excellent Gifts!**



# IMPORTANT NEWS

For YEARS we've been offering "complete lists of all our publications".

Now it can be told: we've never had such lists, because we couldn't keep up with everything we had! Friends, we can't really apologize to you. Last year, we set out to build these lists. And it took us TEN ISSUES of 'NN' to cover all publications....without repeating a single Report.

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• HUNDREDS of Reports! Covering almost every conceivable aspect of Soviet health treatments, plus all our best-selling "Controversials" and world-affairs publications.

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18 NORTHERN NEIGHBORS September 1983





# Losing your MIND and losing your JOB



**You often read attacks on Soviet psychiatry.  
What actually goes on? Anything for us to learn?**

In the big Kaluga Turbine Plant they have an entire shop providing jobs to people who lost their minds.

On the average, 500 men and women work there.

About 250 of them are fairly stable mentally. But the remainder are officially classed as mental patients. And well over 100 are rated as potentially dangerous.

Even in Socialism, where everyone is guaranteed work, it's not always easy to get managers and unions to accept mental cases into the work force. Over there, just as here, people are afraid of possible consequences.

On the other hand, Soviet psychiatrists have long insisted that *work* is the finest possible treatment to cure mental patients or to give them near-normal lives.

Fact is: every Soviet psychiatric hospital has "labor shops", in which patients combine simple forms of work with medical treatment. Trouble is, "production" in these hospital-shops is limited to handicraft articles, and this may even depress, worse than ever, some patients who once held jobs in skilled categories.

Dr. Alexander Lifshitz, chief of the Kaluga Psychiatric Hospital, set about to remedy the situation. He arranged with factories to equip a hospital-shop so patients could make modern electronic devices needed in industry.

These products proved to be excellent, and quickly sold. Dr. Lifshitz took the next step: he asked regular plants to take over hospital-shops and operate them as part of their production departments.

Well, in time it happened. The first such shop, in its first year (1982) produced \$14,000,000 worth of goods!

These "psychiatric" factories are *different*. Workers do not have a production quota to fulfill. They get their meals free. But they belong to the union, get regular wages, paid vacations, needed housing.

Engineers and others in these plants are specially chosen and get psychiatric training. Actually, they are considered to be "hospital staffers", since their work with the patients is vital to psychiatric improvement. For example, they may direct some workers to take extra time in rest-periods.

Management, too, is "special". Efficiency and profit play a small part here. The nation (economic managers) arranges finances so that the entire receipts of the hospital-shops are diverted from the factory into the treatment-shops themselves (to pay for meals and other special benefits).

However, the atmosphere is business-like, so patients will feel normal. Supervisors actually check on each patient's production and wages as carefully as doctors watch medical symptoms.

You'll find it interesting to note that many patients, after getting these special jobs, *decide to give up their state pension* (granted to all mentally-ill people, for life, in Socialism). They do this because it builds their feeling of a return to normal life.

What are the **practical results?**

Above all, these patients are out of hospitals and enjoying life as near as possible to normality.

In a year, about 4-in-100 workers were cleared medically, certified cured of mental illness.

About 100 others had their "category" lowered towards the hoped-for level of cure.

This experience in Kaluga is now being reviewed by all psychiatric hospital authorities in USSR, with the optimistic forecast that the system may soon return to health thousands of men and women every year.

---

NN has checked the broad situation in USSR and finds these facts worth considering . . .

- All Soviet enterprises are required to re-hire people who have had mental illness, when they are certified medically fit.

- Today only 5-in-100 Soviet people are undergoing treatment for mental sickness; the figure for diagnosed mental illness in Canada and USA is *four times higher*.

- Their figures on **schizophrenia** (common serious mental disease): 30-in-100 fully cured, 30-in-100 able to live and work independently; 30-in-100 require more or less constant medical supervision; 10-in-100 must remain permanently in hospital.

- New "neuro-hormones" show great promise in curing several very serious mental ills.

But they regard questions of **the family and the job** as central to the whole psychiatry picture, and view **full employment** as the main treatment of promise.

---

Soviet psychiatrists (some of them of world standing) **reject emphatically** the charge made by Western doctors that *political dissidents* are "put away" in mental hospitals in USSR. After being slandered this way ever since 1977, this year the USSR Psychiatric and Neuropathology Society **withdrew** from the World Psychiatric Association.

Soviet doctors are understandably incensed by refusal of USA, Israel and British authorities to admit that mentally-ill "dissidents", who have left USSR, did indeed prove to be mental cases here in the West, and several even committed suicide. Publication of the truth about these unfortunates would fully verify the Soviet diagnosis of serious mental disease.

In view of the fact that we in the West face a grim crisis in psychiatry (effects of unemployment and wholesale discharge of dangerous persons), it would seem more useful if the World Psychiatric Association sought professional help from Soviet specialists rather than publicizing slanders made-in-CIA.





**New T-150K is primarily for farming and, with attachments, can do all jobs on the land. Mainly for their huge Co-Op and State Farms. Powered by 165 HP turbo-charged diesel. Fully hinged under-carriage. Twelve forward speeds, four in reverse. Weight 8135 Kg (18,000 lbs). With speed of 30 KM per hour, can be used for transport. Selling abroad.**

NEW JOBS  
NEW TRACTORS

**Immense scale of construction in Soviet Union calls for newer, bigger machines.**



**T-25A intended mainly for vegetable and fruit crops, and hay harvesting operates many attachments. New version of tractor popular in many countries now. Has 25 HP diesel, eight forward speeds, six reverse. Remarkably adjustable two ways: you can raise clearance from 435 to 642 mm, and increase width of tread from 1200 to 1480 mm. Speed up to 22 KM per house.**



**New 80 HP model of popular Belarus, the MTZ-82 has 33 KM per hour speed, with 22 forward gears. High clearance (640 mm) and both front and rear tread adjustable.**



**K-701 is for big farm and road jobs, with 275 HP diesel. Its main frame is hinged, for use with modern high-efficiency implements. Designed for new intensive farming methods being applied on tens of millions of acres. Unlike our machinery plants, in USSR they can't cope with demand, even working three shifts.**

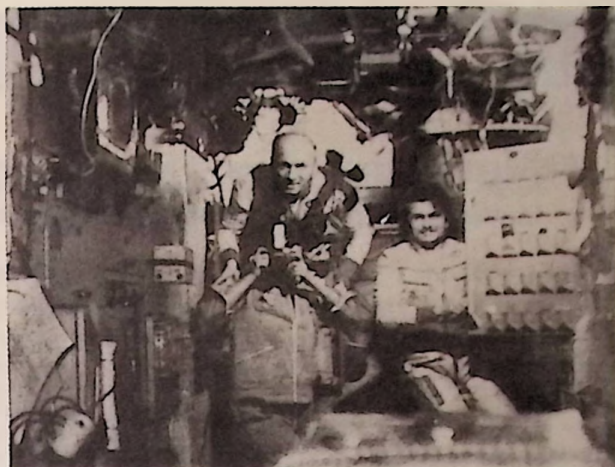


**Designers Arkhipov, Zholtak, Yu. Arkhipov and Fedin working on new earth-movers. One of their new models handles 45 tons of earth in one "bite", pulled by a 1,200 HP tractor. Design institute (DOR-Machinery) has lately turned out 30 machines, now in production in 12 big plants. They have big advantage of being free from wasteful competition, so costly equipment is designed to use as many standard units as possible. "Refinements" have been slow to come from Soviet plants, but now they are supplying heaters and air-conditioners for operator comfort. Problem is to keep up with explosive demand from farmers, builders.**



# How to forecast what's coming in SPACE

**Man and his ships in orbit are going to transform the world and society. This is the verdict of Soviet scientists and economists. Facts enable you to see that future.**



- Space technology is advancing at unbelievable speed. Its own progress acts to stimulate scientists and engineers to reach even more striking developments, still faster, no limit in sight.

- The broad field of "space" has four basic divisions: the delivery rockets; ships that travel automatically; spacecraft manned by humans; and the gigantic systems (on earth and in flight) needed to control them.

- Just 25 years have passed since USSR launched the first Sputnik. Since then 1800 Soviet satellites have been sent up. Latest craft are incomparably superior to previous models.

- However, Korolyev's original program for rockets different from the USA's, having modular (section) design, with unique fuel, is still paying off in both speed of advance and reliability.

- In 1962 they started their "Cosmos" program, which has sent up 1,400 space-craft. They range from 150 KM (90 mi) above Earth up to 60,000 KM, and have sent back immense quantities of facts about Earth, other planets, the Sun and the entire Universe.

- USSR now has phone, radio and TV networks using 70 special communications satellites, so that everyone in their land now has access to TV.

- Weather-forecasting has been carried on by 40 space-ships which deliver more information, faster, than was ever possible before.

- Already many people lost in disabled aircraft and ships have been saved by the USSR's "Kospas" rescue system, which scans the world from orbit, then directs search-crews to the exact location needed.

- Elaborate "descent craft" have gone to the Moon, Venus and Mars, transmitting new discoveries never previously imagined by astronomers.

- Yuri Gagarin, first cosmonaut, paved the way for 100 space-fliers who, together, have now spent some 9 years outside the pull of Earth's gravity.

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- From now on, top Soviet authorities tell NN, getting energy from the Sun, transmitting it to Earth, will be a key task of cosmonautics.

- Two purposes: to end the burning of Earth's fuel resources and the resulting pollution; and to supply vast quantities of power for new industries that will start up soon, in Space.

- Solar energy is required for new global communications systems and (linked with them) tremendous space-ships that will be built, launched and maintained from Earth.

- Scientists want unlimited solar power supplies in Space in order to study new high-intensity electric and magnetic fields, and to push new systems for getting energy from "peaceful H-bomb" fission devices.

- In space there are no serious problems in transmitting power (in vast quantities) from one orbiting "center" to another, of great value in new industries.

- Soviet scientists now believe they can develop solar "mirrors" of synthetics no heavier than parachute silk; if so, just 12 to 15 "freight" rockets could take into Earth-orbit solar-power mirrors giving more electricity than all the USSR's power stations today.

- It's interesting to note that Soviet work on a new "space electrification plan" is largely based on the assumption that Socialism's industry is going to start moving out there in the foreseeable future.

- The second major effort in Space will be to greatly expand the already existing "global geo-physical information system", which is destined to provide us with a radically new "model" of Earth.

- Already, such information obtained from Cosmos ships has proved to be astounding; mainly because Earth can now be watched, continuously, with light rays, radar, invisible radiation including even X-rays, giving scientists unimaginable new facts about our planet.

- These "pictures" go from the depths of the oceans up to cosmic "streams" circling Earth; they show not only visual images but also formerly unknown facts about temperatures and great ocean currents.

- Accurate to a fraction of an inch, cosmic views of Earth are revealing amazing information about soils, rocks, forests, crops, rivers, deserts, glaciers, and even the kind of weeds infesting any particular region.

- Of immense potential use for human health is information on magnetic and electrical "storms" that invisibly and (so far) unpredictably sweep over Earth.

- Soviet scientific planners consider that the new, enormous wealth of information about Earth, coming from manned and automatic observatories out there, will play a major part in our social-economic future.

- One aspect of this will be the coming revolution in communications — using space-laser systems every human being will be able to contact any other.

- At the same time every person will be able to "tap" infinitely great sources of knowledge and information, and this opens boundless opportunities for all people, but especially those who, today, seem doomed to remain deprived of higher knowledge and culture.

- As this proceeds, the "space industry" on Earth will grow at an inconceivable rate; actually, four-fifths of everything built for use in Space remains on Earth; in the near future this "industry" will have decisive effects on all other industrial and scientific efforts.

- So it is not surprising to learn that there has appeared in USSR the new Council of Chief Designers, embracing all industry and science, aimed originally at Space but now "overlooking" all of Socialism.

- Soviet victories in Space are today pointing the way to similar radical advances in all aspects of life in the society that is planned for endless improvement of human welfare.



# New dangers threaten our system's stability

- o Some recent "favorable" developments actually hide serious new problems.
- o 'NN' analyzes three such factors being suppressed in our media.
- o Contrasts with Socialism become ever more glaring to Western economists.

Even if you have never "played" the stock market, you know from the media that both in Canada (Toronto Stock Exchange) and USA (New York) the prices of shares have lately been zooming upward, to achieve record high levels. This is a sign of prosperity ahead, many say.

But others warn of new stock-market dangers.

— Computers make possible the trading of millions of shares faster than ever before.

— Tremendous purchases, and sales, are being done not by "ordinary" traders, but by managers of a new kind: they must invest (and make profits) for pension funds which today total *hundreds of billions* of dollars.

This explains why the total trading on exchanges has climbed to astronomical figures; and why the rise-and-fall of stock prices has become really dizzying.

This is a grave menace to tens of millions who never trade a share themselves. Contributions to pensions in USA alone now equal 70 billion dollars *per year!* That mountain of cash must be invested, or no pensions can be paid. But investing in stocks is, literally, gambling with the financial security of the population.

Formerly, a market "crash" would ruin only individual traders. Today, a stock-market plunge will wipe out financial reserves of *the majority of people.*

In Capitalism, that is.

In Socialism, in USSR, pensions do not depend on the value of "shares". There are no shares. The system takes profits directly to pay for pensions, since the people *own the economy* and do not pay contributions to any pension funds.

Threats to the future of pension funds you find only in Capitalism. And the threats are very real now.

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Every so often our papers carry scare stories about the terrible debts run up in Less Developed Countries. Mexico alone has borrowed 80,000 million dollars. The total now owed by the Third World, to major nations (banks) in the West, is over 700,000 millions.

But what our media brush under the rug is the fact that even the richest nations of Capitalism also have run up frightening debts. Just in 1982 President Reagan *added* to USA's debt 100,000 million dollars; and he now plans to borrow an additional 190,000 millions.

Almost no one over here realizes that Washington's government debt is greater than **all the debts of all the developing countries!**

And private (corporation) debt in USA is, unbelievably, twice as enormous as White House borrowings.

What's more, the smaller nations didn't borrow to go on any wild spending spree. They are trying to develop industry and resources rapidly, a process which USA needed 150 years to accomplish. Capitalism is of little help because billions in profits are *taken out* of developing countries, by giant transnational monopolies.

By increasing the interest paid on debts, the West is extracting billions more from its loans. Thus our banks seek to *load on to the impoverished peoples* the "burden" of cutting interest rates *over here.*

You must check actual figures to see what goes on behind the "debt scare" stories in our media. By pushing interest rates up *just one percent*, the West's bankers extract another 2,000 million dollars yearly from the small developing countries. That way, they can *lower our* interest rates, in the name of "blessing the consumer" and "making jobs".

But the element of fear in scare stories you read is real, for sure.

A "popular" nightmare in the financial press these days is the dream of some Less Developed Country suddenly rebelling against high-interest extortion, and informing the financial powers that *neither the interest nor the vast debts* themselves can be repaid.

This would, without question, bankrupt major banks in the West, and some governments that have guaranteed foreign loans.

This is a very de-stabilizing influence today. Here in Capitalism.

In Socialism, loans have been made to smaller nations only on a scale that is financially bearable, with the exact repayment schedule worked out before-hand.

All debts owed to the USSR are thus manageable.

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Quite a few 'NN' Readers have modest investments such as savings bonds, bank accounts, guaranteed certificates, etc. We hope the following facts don't cause too much alarm.

o Our media hail the **fall** of interest-rates as being great for recovery: bringing cheaper home mortgages and loans to consumers.

o But tens of millions will actually **lose** as interest falls; not only their savings but their pensions and insurance of all kinds will be hard hit.

o Last year, high interest paid off with nearly 400,000 million dollars going to "small people"; this is now **plunging**, and millions will feel the pinch.

Fact is: *individuals*, not corporations or banks, here in Capitalism, **gain most by high interest!**

The effects have already been felt to such an extent that great numbers of "consumers" have cancelled their buying plans . . . their interest-income is slumping.

This explains why the fall in interest rates has not resulted in the "big consumer boom" so long predicted by our media, the economists, and government.

And this effect will worsen, as longer-term investments (two to five years), at high interest, have to be renewed at sharply lower rates.

As you well know, such a de-stabilizing factor does not exist in Socialism. There, people do not depend on interest-income (the rate paid by Soviet savings banks is *very low*). Consequently their system is under no pressure to "manage" interest rates.

The sole exception is their "penalty" rate on loans to (publicly owned) enterprises that do not fulfill their planned expansion. But this is a minor "financial fine", with no effect on their economy.

Only in our system has the interest rate become an unpredictable obstacle to stability.



# Let thousands of others read your views here



People all over the world write to 'NN'  
so why don't you send them a letter, here?

"Something I've wanted to tell you for a long time but was afraid. I never leave NN on our coffee table. You print the word *Socialism* too often and it throws me. I like to know about Russia and its people but don't give a darn about their politics." D.R.

Note: Somehow we feel other Readers would like to answer that one. So why not sit down right now and write us?

"As for your two-page article on P4-5 on Reagan, I enjoyed that very much. Page-4 is the first one I go to on receiving the magazine. If you have material requiring two pages, then print it." L.E.M.

"Your page of clippings about poverty in USA should have included this one from June 10 *New York Daily News*. U.S. Conference of Mayors tells Congress they find 'a tremendous growth in families whose children have little or nothing to eat.' This is in the richest nation on earth." L.V.

"I am told that homosexuals in USSR are jailed for 7 years if caught having intercourse. I'm not a homosexual and believe Capitalism breeds it, but still the state has no right in its people's bedrooms, as Lenin would have believed." T.P.

Reply: Be careful about ascribing your own views to Lenin. It's not the bedrooms that Soviet medical science is concerned with, but the fact that homosexuals don't confine themselves to privacy. They're notorious for "recruiting" boys and, as doctors know too well, in propagating syphilis, incurable gonorrhoea, hepatitis, herpes and now, tragically, dreadful cancer associated with Acquired Immuno-Deficiency Syndrome (AIDS). This is indeed a concern of "the state" (i.e. the vast majority of human beings in society) and has nothing to do with "invasion of privacy".

"I think NN readers would welcome your views on the book *The Corrupt Society*, which charges that USSR is headed for destruction because everybody bribes everybody else. It's by the dissident lawyer Simis." H.D.R.

Reply: As they say, the fox smells his own excrement. Why is USA concerned about sweeping Soviet advances in every field? Who bribes the world's greatest hockey and ballet stars? Simis is just another cheap defector writing for the CIA. These types never discover anything wrong in USSR until that nation exposes the wrongs itself.

"What do you say about this news report about Soviet workers bumming their time on the job so productivity is very low. No unemployed there because they have so many doing nothing all day." F.S.

Reply: Just think. How come USSR has far over-taken USA in nearly every major field of production, from steel through oil and housing? If this "report" were true, Reagan could forget about any Soviet "menace" and just wait for Socialism to fold, bums and all.

"After many years reading NN we still think it's the best. My husband whenever possible talks to people for your paper and ours. Wishing us all peace on earth!" F.N.D.

"Could NN 'adopt' the Cuban daily paper *Granma* as a sister publication and help spread its circulation? USA denies people's constitutional right by preventing access to this paper. Cuba is our neighbor, let's be more neighborly." R.L.C.

Note: *Granma* does a wonderful job for Cuba but it speaks for the Communist Party and NN has never had connections with any political party.

"Went to Florida to spend winter there but came back after I was robbed of all my possessions. Only thing I could get back was traveller's cheques. I was exploited and extorted the real American way. Never go back their again." E.K.

"The page you had on emigres (dissidents) not doing too well over here could have been 10 pages. I enclose story about a Pole (Boguszewski) who told news-men 'The life is very heavy here. We have to rely on so many others to get by, it is just another way of giving up our independence.' Free enterprise, it was?" G.S.C.

"Why didn't you mention the tragic end of Soviet-Jewish artist Ladyzhensky, who went to live in Jerusalem and in June hung himself surrounded by 700 paintings nobody wanted in Capitalism." T.W.

"Thousand thanks to NN for publications sent including the 1983 calendar from USSR. NN is the most widely demanded magazine in our library." P.U. (Sri Lanka)

"I approve of two-page articles when the facts warrant it. Despite all articles about unemployment, over 100 million people are working in USA, highest ever." P.K.

"NN is indispensable in our home. Glad to know you've sent publications to the Caribbean people. I'm sending \$200 to help pay those bills. We, too, are dedicated to the cause of Socialism!" M.R.

"Wish I could help NN more. I enjoy reading it and always pass it on to others. I've been in USSR three times and enjoyed what I saw there." M.M.

"Enjoyed reading 'Who Needs Religion In Socialism?' I have long believed that the Left attacks what is bad in the churches without ever seeing the good. World Council of Churches meeting in Vancouver (July) is showing Christians (and others, we hope!) that Peace is for all systems." M.R.E.

"Nothing in this life ever stands still, so we must not fall into the trap of holding on to ideas that were correct years ago but are now bypassed by events." K.T.

"I thought many NN Readers would like to know something that greatly surprised me. When tourists from USA go to Moscow, some of them go to the Kremlin wall where famous progressive leaders are buried. It astonished me to learn that 'Big Bill Haywood', founder of 'The Industrial Workers Of The World' (called 'Wobblies'), went to live in Moscow in his later years, and died there in 1928. They honored him as a great man in the struggle for miners' rights. Next time I visit Moscow I'll find Big Bill's grave and put flowers on it." F.C.

"Just read your Report 'The Boomerang Bomb' and I think it clearly shows the lunacy and madness of the whole arms race. Success to NN!" E.H.

Note: That Report sure keeps on selling. It is No. 386, 95 cents or 5-for-\$3.00.

"What hope NN gives me. Can hardly wait for the next copy to come. Just wish it was twice as large." L.A.

"I'm frightened by what the constant propaganda against the Soviet Union is doing to people's minds. Like the enclosed story about four million in Soviet 'labor camps' building things like the gas pipe-line. This is subtle propaganda all right. S.A.T.

Reply: Don't take offense, friend, but we don't think this line is very subtle. It is grossly exaggerated: imagine guarding four million prisoners! As NN noted before, the pipelines are built by highly skilled workers. Incidentally, all criminals in USSR work during their sentences, a system which is highly favored by many over here who see the horrors of our jails and penitentiaries.

"Bad times over here. 70,000 unemployed in little Norway, 150,000 in Sweden, 300,000 in Denmark. I'm out of work myself. Good side is that people are beginning to think. Reagan gets little support here. Most people are no longer afraid of that 'Soviet threat'. R.W.A. (Norway).

"Capitalism means money, profit, the few taking from the people. Socialism is for society, the people. Just what the names say. That's what I tell people when they ask for explanations in a nut-shell." C.D.

"Received those 'Freedom's Incurable Cancer' reports. I believe it's wonderful to sell these at 20 for \$2 (10 cents each). Now my husband and I can give these out to lots of people. We try to concentrate on the Unemployment Offices." L.V.M.

"Glad that there are people like you who try to help keep the world on an even keel. We have too many like 'Adolph Begin Reagan' that do their utmost to upset peace. Keep on sending NN to third world countries, where the people are kept in the dark." E.H.

"I had to laugh the other day at a claim by USA that the Grenadian people are a menace to 'freedom' in Central America. Seems to me all those NN's have an effect!" L.W.



Biologists of Turkmenia and Armenia have jointly developed a new microbe, which transforms milk into a highly valuable medicine- tonic. Unlike yogurt, "Anait" has anti-biotic properties (eliminates some infections), is rich in vitamins and proteins, has a very distinctive flavor. Into mass-production soon.

When you buy consumer goods on credit, in Soviet stores, your short-term debt is charged 1 percent interest. If debt runs a year, you're charged 1.5 percent. In spite of these unbelievably low charges, credit buying in USSR has declined 20 percent since 1977. Reason: rising incomes give most consumers enough money to buy for cash.

Wages and pensions of Soviet people have increased by some 11 billion dollars during past 12 months. This rise is exactly as specified in their economic Plan.

Two women pilots, Tatyana Zuyeva and Nadezhda Yeremina, have set three take-off speed records for helicopters, with new Soviet KA-32. This small copter is only 30 feet long but it can carry loads of 5 tons. Will be used in farming, construction, polar transport.

This year's weather has once again been unfavorable for farming in many Soviet regions. Winter wheat had to be re-sown. Ukraine got excessive rainfall. Moldavia scorched in dry heat. Even so USSR looks forward to bringing in a good harvest.

Training for equestrian (horse-riding) sports is big in the small Bashkirian town of Meleuz, because their main activity is stud breeding (English and Arabian thoroughbreds). Recently they added something new: twenty purebred Shetland ponies. These are used exclusively by local boys and girls, age 6 to 12. "Pony Club" has its own equestrian program, preparatory to riding big horses. Youngsters take full care of ponies. Only problem: how to divide 20 ponies among 50 children.

Super-powerful microbes are now being used to attack huge dumps of rock, at mines in the Urals, Central Asia and Kazakhstan. Dosing the rocks with these bacteria, adding fertilizer, spreading grass seeds, results in real meadows appearing within two years.

Famous Children's Railways of USSR are known to all tourists. But not many visitors realize that these scaled-down rail lines, in which everything works just as in big railways, help to recruit many young men and women (in high school) for permanent jobs. Indeed, the railway at Khabarovsk (Far East) celebrated its 25th birthday by welcoming the 30,000th new rail worker! Several renowned Soviet engineers had their first thrill at the throttle of Children's Railway engines.

Remarkable new "health tester" device developed in Byelorussian University is intended to check such workers as pilots, taxi drivers, engineers, race-car drivers, etc., to make sure they're "in shape". Takes only two minutes for full check of blood pressure, pulse, breathing, eye-reactions, muscle reactions, tremor and temperature.

World's biggest solar-power station is not being built in USA (as NN stated in July-August), but in Uzbekistan. USA station (in California) will be 16,000 KW capacity, while Soviet researchers plan one of 300,000 to 1,000,000 KW output. Neither will be working soon.

New town is being built up in Pamir Mountains, at extreme height of 15,000 feet. This is famous "roof of the world" territory. Goes down to 60 below in winter. Fierce gales. Most terrible: frequent earthquakes. But model of town was designed in aircraft wind-tunnel, so people will enjoy good shelter. Not only will buildings have new Soviet quake-proof structure, but "streets" connecting them will be covered in with flexible materials, for total safety.

Electric trolley-buses are now being "rediscovered" in many Western cities, as most economical of all urban transport. Soviet engineers realized that back in 1933. Today USSR has by far world's biggest network, in 120 cities. The Uritsky Trolleybus Plant in city of Engels (on Volga) out produces all others, making 2000 *per year* just for use in USSR. Now being widely exported. Especially to high-mountain cities (South America) since trolleys are not affected by "thin air" as gas and diesel buses are. Ancient city of Athens is now going over to Soviet trolleybuses.

Almost eight million young people turned up this year, after school, to apply for jobs in the Soviet economy. Not only was this no problem for Socialism, but managers in all republics were disappointed that still more youth failed to show up. Many chose to continue their education. Those who did apply for work proved to be more choosy than ever before.

Farmers in Svanetia, high mountain region of Soviet Georgia, believed they were farming every accessible acre (mainly tea, grapes, citrus fruits). But stock-raisers showed they could plant fodder crops on slopes and ravines impossible to farm, and cattle will gladly feed there. Very first year saw Svanetia increase its meat output 16 percent, milk 20 percent. Now experts are surveying many other alpine areas, which are slated to become major animal producers for Georgia.

Thanks to assistance from Soviet Union, farmers of the People's Republic of Laos have made their country self-sufficient in food, for the first time in history. Rice harvests are higher by hundreds of thousands of tons. Coffee, cotton and peanut production is up sharply. Main credit for change is organization of 1700 big collective (co-op) and 30 state farms. Communist Party now has goal of 100 percent collectivization by 1985.

On his 82nd birthday Victoras Kupreavicius, world-famed concert bell player, climbed to tower of historic museum in Kaunas to play for dense crowds in square below. For 30 years he has mounted those 150 steps. Kupreavicius himself restored the beautifully-toned carillon of 35 bells, after it was destroyed by Nazis. Now his son Giedrius is the one who gives regular concerts. Between father and son they have arranged over 500 carillon compositions going back to ancient times.

New "solar furnace" converts coal to gas in one blast. Oxygen and water are heated in a plasma generator, and when they reach 3000 degrees coal dust is blown in. Reaction is instantaneous, 90 percent of coal turns into gaseous fuel. First unit handles 500 pounds of coal per hour, and output is no more costly than natural gas. This promises to be answer to costly transportation of Siberian coal over thousands of miles.

Lighting big factories which have high temperatures and corrosive fumes is very expensive, due to shielding of lamps, frequent burn-outs. This is ended by amazing Soviet "outdoor lights", which produce extremely intense illumination and then "pipe" it through special inside-mirrored tubes. Light flows through the tubes, which send "branches" down to work places. Big reduction in costs. And so attractive that architects are adapting the idea for decorative lighting, which can be colored.

Unique greenhouse is operating in town of Lusakert in Armenia. It is 5 floors high, and is built to surround the chimney of a heat-and-power plant. So all the heat is for free.

Popular Soviet Lada cars will soon be assembled in Canada, not only for sales here but for export to South America and other regions. More parts will be bought here (as in Britain now) so Lada Cars of Canada is predicting a trade surplus for this country from this new development.

First of its kind anywhere, a wild bee breeding centre has been established in northern Kirghizia. Breeding these special Megachile bees is difficult, involving both refrigerators and incubators. The payoff is that these bees increase alfalfa seed harvest by 500 percent. This year 3,000 hives of the man-bred bees are working on Alfalfa in Chiskaya Valley. That's at least 10 million bees!

Samantha Smith was just one of 15,000,000 children who spent a lot of the past summer in beautiful Young Pioneer camps of USSR. Most parents pay only a fraction of cost, with Socialism picking up tab. Large families get summer camping entirely free. In recent years thousands of boys and girls from Less Developed Countries have been guests at these Soviet holiday-health centres.



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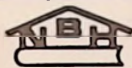
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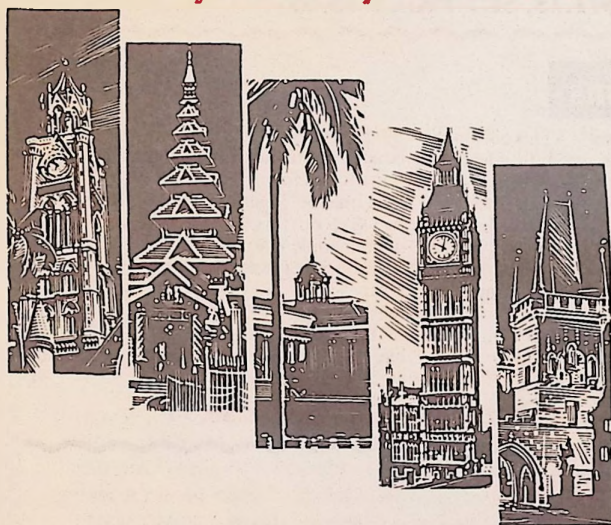
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