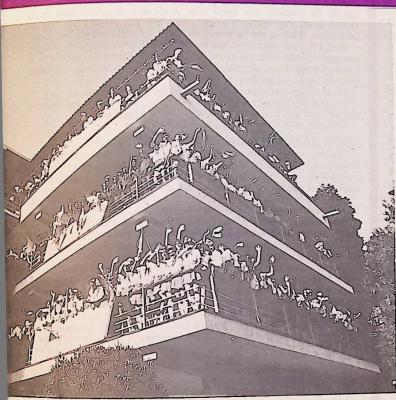
Subscribers now in 81 countries

# NORTHERN NEIGHBORS

International Standard Serial Number CN ISSN 0029-3199

> JUNE 1982 NO. 285 85c

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





Millions of Soviet children will be off to summer camps this month. The health of the people is the main social concern of government, in Socialism. Left, above: some of the 23 million youngsters who take health-holidays over there. Right, above: some Soviet children require special care, such as these two boys taking curative gymnastics that will fit them for regular vacation activities. See our special Photo Report on Pages 14-15.

Women Inferior To Men?

PAGE 3

**Europe Wants Out Of NATO** 

PAGE 8

Yes, Socialism Offers A Way Out Of Personal Depression

Their Farmers Aren't Failures

**Nobody Answers From Space** 

PAGE 9

PAGE 20

# VORTHERM NEIGHBOF

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.

"NN" has the International Standard Serials Number CN ISSN 0029-3199, and is available in micro-form from Microfilms International.

#### CONTENTS

June 1982 Volume 26 No. 6

Men And Women Only **Death Cruise** 4 **Big Wooden Money** 5 **Armenians At Home** 6 You're Welcome There 7 **Europe's Question** 8 They Don't Answer 9 In Praise Of Sports 10 Camera Looking 11 Hitler's Doom 12 **Good Time Railways** 13 Government's Duty 14 Paying Off For All 15 Spuds Are Super 16 **Meal Not To Miss** 17 **World's Worst Ailment** 18 **Chronic Energy** 19 All OK On The Land 20 One Lucky Mayor 21 **Deathly Finances** 22 Well, What's Your View? 23 **Compressing Their Papers** 24 **Book Of The Year!** 25 Waiting For You 26 Real Money OFF 27 48 Ways To Health 28

Editor: Dyson Carter

Executive Secretary: Sally Nielsen

Subscription rates: \$6 for 10 issues, \$13 for 30 issues. When changing address you must send old address, preferably clipped from NN envelope, along with new address. Special Bundle Offer: 10 copies for \$4.00

#### IF I CAN'T WORRY YOU, THEN WHO?

Hope that doesn't make you drop the magazine and run.

But NN, as you know, is not only your magazine, but we depend on you heavily for support. You know why. Aside from Northern Book House (which never ever makes a profit ... ask the Tax people), we have no advertisers. They're the big money men who keep other magazines going.

Well, I'll cut it short. First, the Post Office charges are certainly going to rise again. (It already costs us over \$5 to send two NNs to one subscriber in a distant land). Then, the government is re-imposing a 10 percent Customs Duty on books we get from USSR.

Those things spell money-trouble in capital letters.

Never mind! Spring came real early this year, up our way, and we were actually into mid-summer back in May. Helps forget money.

Sales tax on Weather?! You almost had me there.

#### LOOK AT MONEY AND LUMBER AND TRAINS

You may remember the days, way-back-when, that featured the tough times Soviet people went through starting up Socialism (in the poorest of big capitalist nations). Now it's different. Truth is, friends, you can get a real laugh out of two of our Reports this month.

Page-5 tells you how great it is in the Lumber Business in USSR. Problem is to expand fast enough to keep up with demand.

Page-13 shows they've got the same problem in their Railways. Try to find enough new young workers to fill the waiting rail jobs.

I'm laughing. If only they had Capitalism over there, what a wonderful place it would be for our capitalists!

The real joke you may already know. A surprising number of economists and politicians over here are reading up on the Soviet Union. Naturally they know from nothing. Can't even believe that Socialism prospers because it did away with Capitalism and all the ills that arose with the system.

But they can dream can't they?

Oh to be a share-holder in Kremlin Ltd., or The Siberia Corporation. Cold sobering note: where NN is, our government has out-done Reagan, by not only giving school-kids no free meals but slamming a sales-tax on them!

Dream-note: no Sales Tax on anything in USSR.

#### LET YOU IN ON A SECRET

Capitalism really is taking second looks at Socialism. Could be our Free Enterprise system is going to crank down so badly that any economic medicine would taste good. Even doses of Socialism.

NN is building a file on this and we'll publish it soonest-possible. Leopards can't change their spots? Well, we're living in the most amazing period in history, and Socialism already is advising Capitalism about what to

do if business news gets any blacker than it is.

NN's Quote-of-the-Month: "We're spending so much on armaments that it's hurting the economy of the whole world. There's no point in Washington having enough weapons to destroy the Soviet Union 50 times over, and there is no point in the Soviets having enough weapons to destroy the United States 10 times over. I think that no one wants to be destroyed even once." Armand Hammer, head of Occidental Petroleum, 18th largest USA corporation, to Globe & Mail, May 5, 1982.

NORTHERN NEIGHBORS is published by Northern Neighbors Ltd., Gravenhurst, Ontario, Canada, POC 1G0. Title and contents copyrighted. Permission to reprint must be obtained from copyright owners. Second Class mail registration No. 1741. Printed in Canada.



You can help NN gain new Readers. No real effort on your part, and no cost to you. Simply send us names and addresses of likely subscribers.



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.

## Are Men and Women EQUAL?

In Socialism women have long enjoyed economic and legal equality with men.

Alas, human life is not all that simple.

'NN' consulted Larissa Kuznetsova and Zoya Yankova, two Soviet sociologists working on these problems. Their facts may surprise many Readers.

#### Women at Work

Many in the "feminist" movement in the West hold that every job done by men should be open to women also. This has been raised in USSR. But it is not realistic scientifically.

Thus, the entire history of sport, right to our day, proves that women cannot compete with men equally, in any strenuous game. Sports records, set by men and women, are always kept strictly separate.

Some argue that in modern industries machines do the hard work, so why shouldn't women take any job?

Not possible, that's why. Soviet well-drilling crews, for example, don't include women. You see no women steel-workers or forge operators in the USSR. These occupations can damage women's bodies.

So can jobs on heavily vibrating machinery. Over 400 jobs are *prohibited* for Soviet women for purely *health* reasons.

Women here may be startled, and even angered, by Soviet scientific studies — proving that men are always more productive working on standard factory machine-tools, than women.

Indeed, in many Soviet industries women draw pay equal to men even though they produce less. They are given lower "quotas" as a health-protection measure.

The view in Socialism is that every woman can or may be a mother; protecting her health is extremely important in protecting her child's health.

"Equality" is not the issue at all.

Indeed, "inequality" of women and



men is taken for granted, in USSR.

Thus, women on farms over there get equal pay operating tractors and combines, even with 10 percent less work done. Because women are much more liable to strain than are men.

This is no more being "unequal" or "inferior" than the position of men themselves — who says men are inferior because they can't bear children or put them to the breast!

Women are radically different from men physically and functionally. This is fully recognized in Socialism, for the sake of real equality of women, for the good of society.

#### **Women at Home**

Surprisingly, a big debate has sprung up in USSR over the question of family leadership.

Their newspapers (with tremendous circulation) are getting letters from extreme views. "Man alone can be head of the family". "The wife's place before the husband should be recognized in law". "Families need not leaders but partners."

Before Socialism (and for long after) men headed the family because they brought in the money.

This idea of a family "head" didn't last in Socialism, and you don't find it in their Legal Codes at all.

Surprise: because most families do recognize a "head", the practical Soviet census organization asks that tricky question ... Who is the head of your family?"

This has roused a lot of comment.

Mainly because it's too vague. We all know families with the husband at the head, yet the wife obviously acts as the real leader.

In Socialism this is a vital thing, because in their work-places they also have "families", called production teams. Each team has an official leader. But in real life, often some other man or woman is the one everybody on the team looks up to for guidance.

Of course the job isn't the home!

At home you have everything we know as love, marriage, the family.

True. And Socialism, liberating women economically and politically continually changes "life at home".

However, 65 years is not much time in human history. For long ages, men have been the family leaders. Hence the Soviet Census is not being "backward" to ask Who heads the family?

On the contrary, the mere fact that they ask the question shows how far Soviet women have advanced within the family and marriage!

More than half of all employed people in USSR today are women.

More women workers have higher education than their husbands.

But is it income or education that makes the family's "leader"?

In practice, a brilliant scientist, or actor, or manager, may (in everyone's view) "lead" the family ... but he or she will leave all day-to-day questions to the wife or husband. So who "leads"?

Involved here also is ... "pride".

It is customary for the head of the house to be Mr. Family. Most wives prefer people to think that's how it is, even if Mrs. Family dominates.

In any case, in Socialism neither husbands nor wives dominate each other economically, financially.

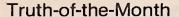


Surprise: in their latest Census, almost half of all families reported that Mother is the Head!

Still more surprising: many women, heads of their families, don't want it, don't like it, complain that their men simply put too many responsibilities and chores on them!

Yes, some Soviet wives resent the traditional "bossing" their husbands indulge in.

But the latest poll shows that 65 out of 100 city families now regard Mother and Dad as completely equal.



## **USA could be cruising towards disaster**

#### "Cruise" missile they want Canada to test is fatally flawed

Even in this day of billions in profits-from-arms, the 13,000 Cruise Missiles ordered by President Reagan look a little far-fetched. Originally, Boeing and General Dynamics said they'd make Cruise jobs for one million each. But now it seems the price will be at least 300 percent higher than that. Thirty-nine thousand million.

Worth it? Who knows? Not Mr. Reagan. He hasn't seen the Cruise. Nobody has. It's strictly experimental. They've ordered 13,000 weapons on paper.

You know what the Cruise is. Newspapers and TV have told us about it many times. But in a strangely hurried way. You see: Cruise is an unmanned bomber, controlled by a computer, which tells it where to go ... even thousands of miles away to some exact spot inside USSR. Cruise flies slow, and very low, hugging the ground, skipping neatly over hills and tall buildings. That way Soviet radar defense systems are absolutely helpless.

Really? That's exactly what critics in USA began to say back in 1976.

#### \$39,000,000,000 raises some questions

In the scientific-engineering community there were rumbles of scepticism about Cruise, right from the start of this super-super-bomber. In 1980 the USA's General Accounting Office told Congress to think twice before ordering it. Discussing as much as could be said in this top secret affair, GAO revealed many Cruise failures.

In tests, some Cruises got dangerously out of control and had to be aborted. Others failed to reach targets by big distances. Worst of all, some Cruises crashed ... and if they'd been loaded there would have been disaster, very far from the USSR.

It was no secret in the technical world that about half of all Cruises tested were failures.

When you're dealing with nuclear-bomb weapons such a failure rate is, of course, impermissible. Suicidal.

The main problem? Flying nuclear bombs in manned super-sonic bombers, flying at extreme heights, is still a very tough problem; to pull off such a flight with a brainless robotpilot, at low speed, skimming the ground, is something else again.

Last year the authoritative USA Brookings Institution issued its own criticism of Cruise. Mainly, that these untried weapons-carriers, by their very nature, cannot have the accuracy demanded by nuclear war.

#### You see why they want to use Canada

This spring we Canadians got a shock that is still making waves in political and defense circles. Washington announced that it would use vast areas of our Northwest as testing-grounds for Cruise missiles.

No areas suitable in the whole USA? Well, it's this way: the States are too hilly, whereas our North looks much like USSR, and so it would be best to "train" these unreliable weapons in our country.

Imagine what would happen if Cruises went wrong over the States! Whereas our mines, oil fields, Indians, Innuit peoples, and so on ... wouldn't really matter, would they? Not in Congress, anyway.

We're not joking. Washington's General Accounting Office, when criticizing the rush to make Cruise missiles, stressed that basic tests can't be finished by 1984, when Cruises are due to be installed in Europe. Meantime, these weapons are very dangerous to handle and to test.

But the fact is that Congress chose to ignore these warnings from its own supervisory Office.

Only now do we learn why: if grave problems arise with future Cruise tests, as they have continuously up to now, not to worry, the damage will take place outside USA completely, here in Canada.

And after that, why, those Cruises will be rushed off to Europe, where all subsequent accidents will happen to allies of USA, safely thousands of miles away.

#### Not supposed to talk, see?!

It's amusing, and could be tragic, to see how the Reagan government has tried to brush Cruise problems under the rug. Spokesmen fell back on that last of all excuses: White House can't tell Congress the real Cruise story, because it's full of top-secret super-science, you understand?

This isn't going down well with scientists because they know there is nothing secret about the grim failures experienced by Cruise tests so far.

The Pengaton has been trying to sell the idea that the Cruise is exclusively Washington's weapon, and away beyond the ability of USSR to equal. So it would amount to having a super-weapon denied to the Soviets.

You've heard that before? This time, however, people in the technical world are very concerned. Because they see no scientific reason why USSR can't take measures to eliminate slow low-flying unmanned planes. And when you "eliminate" a loaded Cruise, what happens to its nuclear weapon?

Suppose it "happens" all over Europe?

#### 13,000 Robots can't be commanded

The widespread concern over going all-out for Cruise is centered *inside the USA*. Because of three dangers.

- USSR could well look at 13,000 Cruises, ready to take off with that many H-bombs, as a USA first-strike weapon to eliminate the Soviet Union. Such a situation would never be tolerated.
- Unlike aiming ballistic missiles and other "standard" weapons today, scattering 13,000 brainless H-bomb carriers would enormously increase the chance of accidental disaster, something likewise intolerable.
- By gambling on this untried weapon, the Reagan government is flashing a warning to Moscow which could have only one result: counter-action.

Thus the White House appears before its own friends as abandoning any prospects of arms control, and opening the way for the worst of all possible arms rivalries.

Time is running out for a change of course.

Even those staggering Cruise profits, heading towards Boeing and General Dynamics, can't justify setting the world on a course towards nuclear finale for both sides.

Better to give the arms mob \$39,000,000,000 to stop. Wouldn't you vote to pay it to save mankind?



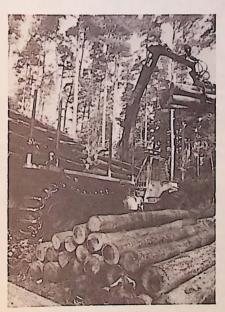
In spite of cutting far more timber than any other land on Earth, Soviet foresters are following a new Forest Law which actually increases the stand every year. Using computerized information they are able to plan ahead as far as 100 years. Today they start more new forests than any nation has ever before attempted.

## Why our Lumber Barons envy them

While Canada and USA suffer the worst forest-industry slump in memory, with camps and mills closing at a disaster rate, in USSR their problem is to stop a slight slowdown in expansion. Our industrialists can hardly believe this, because they realize that Soviet timber workers are ahead of all competition now, in logging and lumbering.

Although the demand inside USSR keeps on soaring, they now export some 3 billion dollars worth of wood and wood products each year. In other words: from their woods the view is exceedingly profitable, in remarkable contrast to the gloom in North America.

Their aim right now is to get much more wood out to market.



Although they use the latest machine methods for felling and removing timber, to keep up with demand they must expand faster than ever.

As you may know, tens of thousands of our forest workers are now laid off. Far from any expansion plans, forestry bosses here are holding tight to capital, freezing all expansion. In USSR in 15 years they invested well over 36 billion dollars in their forest industries (not even dreamed in Capitalism), but today they're turning on the heat to expand still faster.

Five huge "complexes" have started up during the last three 5-Year plans (including the world's largest, at Ust-Ilimsk). Still they aren't satisfied.

A basic problem: their timber industry is moving east and north, steadily, and as they get farther from developed regions the questions of transport and accommodation for timberworkers get sharper.

They are tackling this two ways. Stepping up lumbering in older areas (where re-forestation is paying off); and intensifying the mechanization of work in the woods.

Although it sounds weird to our lumber kings (who can hardly give the stuff away just now) Soviet engineers are driving heavily to get more saleable products out of less timber cut.

In some ways they've been behind our wood industries. Only now are they building gigantic plants to turn out "waste" wood products such as chipboard. They already do produce 5 million cubic yards (!), but they want much more — because it saves over three times more wood than older lumber products.

And only now are they speeding into production of fiberboards: rather weak materials which work very well for many products. Again, to them being "behind" isn't all that grim: right now they make 500 million square yards of the stuff.

But they plan to triple fiberboard output by 1985.

Our giant paper producers haven't boosted output for some time, and continually juggle prices in an effort to regain sales. In USSR, in 10 years they raised paper output 230 percent, and couldn't cope with demand.

Lumber industry stockholders, over here, can only dream of the USSR's big paper "problem" — if they double their output very soon they might just keep up with demand.

Meanwhile: people over there go short of newspapers, magazines, books, wrappers. Because of ever bigger consumer demand, as their incomes go up and prices don't.

NN finds they'd rather not talk about the furniture aspect of their wood industry. Here, stores can hardly give furniture away, with no new housing to furnish. There, the world's biggest housing program gives them the world's worst furniture headache. Boosting production 200 percent since 1970 didn't shorten the lineups of families waiting to buy.

Again: they never raise prices, to reduce buying-pressure, so demand rises as incomes go up.

Expanding wood output of course is their main drive. But almost equally important is their planned scientific saving of timber. Latest directive calls for making useful wood products out of 10 million cubic yards of "waste" now discarded. That's equal to not cutting down 150,000 acres of forest!

In one year.

At a saving of hundreds of millions of dollars. Extra profit.

You can be sure that our lumber owners won't be trying to copy the Soviet program, which puts all profits into the public treasury, to finance their continuing boom.

# You find no Terrorism in the Armenians' Homeland

Over here, vicious criminals calling themselves "Armenian Patriots" murder Turkish people. But in Armenia, a Soviet Republic, there is no racist disease. Crowds of tourists throng Armenia all year round.



Thriving in Socialism, beautiful Armenian capital of Yerevan has grown to a million population. Many have moved here to live from countries all over capitalist world.



They're great for sports, and their girls are among world's finest in ancient archery.



Armenian culture reaches back thousands of years. Even young industrial youth are proud of it. So after-work scenes like this are common. Music, song, dance are their life expressions, not the poison of race hatred.



Armenia's National Song And Dance Group is renowed in many lands. In foreground: Alla Grigoryan, their soloist, who capitvates every audience.

No other wrestler like Yurik Wardanyan, who is not only Olympic Champ but also won seat on the Supreme Soviet (Parliament) of Armenia. To millions of Armenians Yurik is a symbol of the new life in his Socialist Homeland.



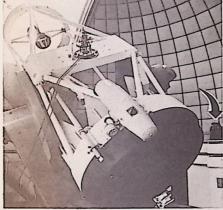




Neglected for centuries, many fine temples and forts have been restored in Socialist Armenia, and now a total of 5000 more ancient buildings are reserved for reconstruction.



Armenia is also one of the most modern industrialized Soviet Republics. The Masis Shoe Factory in Yerevan (Model Saringulyan here) may be USSR's finest.



Largest mirror telescope in world (built in Leningrad) works round the clock at famous Byurakan Physical Astronomy Observatory in Armenia's mountains.



Armenia's warm climate, plus modern irrigation and fertilization, has made this Republic an exporter of choice canned and fresh foods. A vast area of the country gets its water from Lake Sevan, through huge conduits.





Every plant in entire USSR buys its transformers and other electrical equipment from Armenian factories, now exporting to 70 countries besides USSR.



Famous farmers' Co-Op Consumers Market in Yerevan.



Yerevan's computer factory also trains young students for high-skill work.



World's purest, lowest-cost molybdenum ore is simply cut out of hillsides at unique Zangezur mine high in Caucasus.

#### BAD DREAMS in NATO

This month President Reagan will come face-toface with anti-nuclear protestors and European Big Business also, a new kind of double confrontation.

The people of Europe and many in their ruling political circles — and even military leaders — are seriously pondering the idea of going it alone from now on without USA.

Would Europe be safer without NATO? Would business profits and employment improve free from Washington's

programs?

Latest such questions come from the top Western European Union (WEU), dating back to 1948 and closely linking West Germany, France, Britain, Italy, Belgium, Netherlands and Luxembourg ... before NATO was born.

Why aren't we told about this by our media?



"WEU" today is thinking (even speaking) out loud because of two facts. Nations in this grouping have the most people in NATO and have tremendous industrial power.

Lately, these facts gained added significance because of the sweeping Science Revolution: WEU countries today rate very highly in High Technology.

Thus, the aviation industry over there is in some ways leading the USA in world civilian and military fields. This extends now right up into Space projects.

But the stronger Europe's technology becomes, the more pressure from USA (via NATO) to cool further advances and allow Washington to control the West's aero-space.

Recently the problem became acute: West Europe could go bankrupt if it continues to buy more high-technology from USA monopolies, while shelving its own.

Best brains in WEU now see that under the banner of NATO, and Reagan's "face Russia" arms build-up, they could be completely subjugated in the name of mobilising West Europe to launch "preventive" war against USSR.

But in the opposite direction — cooperation with the Soviet Union — big developments have appeared.

Heard of Stary Oskol? Very high in "high-tech".

Later this year, in that giant new steel complex the Soviet Union will start producing steel by a new method which USA has tried its damndest to sabotage.

European firms were warned not to supply certain vital (high temperature) pipes; furnace-liners; computer control systems.

But Soviet scientists-engineers have supplied Stary Oskol with necessary pipes, liners and computers, developed and made in USSR. Europe lost the orders.

West Europe did, earlier, sell USSR a continuous steel casting plant. Recently WEU specialists had an uncomfortable look at a new Soviet casting set-up, and learned that four of these, world's biggest and most efficient, are in Socialism's production-design program.

USSR did want to buy the famous European "Modcomp" computer system. USA's pressure prevented that. So the Soviet SM-4 computer is doing the job very well.

As a result Europe's very depressed steel industry has lost a foothold in new high-technology.

Similarly, in plastics. Soviet chemists are first in world with "filled polymers" — they save hundreds of millions of dollars in equipment, drastically cut the consumption of petroleum.

Similarly, in super-cold electric wiring. Such wire carries electricity without resistance losses. Using it, USSR is building generators of unprecedented output (and savings).

On the "classified" lists everywhere are super-cold generators for powering "death rays" in space (such as laser beams). Some believe that cold wiring is the key to tiny computers having enormously greater power than the biggest now made.

You can appreciate the concern of WEU leaders when they see these Soviet advances in the light of declining technology in USA, partly the result of educational degeneration plus Reagan's cutbacks in financing Science.

Still worse: USA's "sanctions" against USSR never worked before, and today are simply speeding Soviet progress in every

aspect of high-technology.

And worse yet: USA's economy, admittedly in serious trouble, contrasts vividly with the continuous economic progress of USSR and its allies.

Obviously, USA is hurting and USSR isn't. It was inevitable that West Europeans would confront this reality. The first result did make our front-pages: Europe is buying Soviet gas and selling pipelines despite Reagan's openly expressed fury.

"I think we should start by asking ourselves whether cooperation with the U.S. is really necessary.'

Words of J.F. Barnes, scientific advisor to Britain's Ministry of Defense, at a closed WEU meeting.

Of course, by "cooperation" Barnes meant tying Europe down as a launch-pad for USA's end-of-the-world nuclear first strike against the Soviet Union.

Last September here in NN (P-4) you read of a new kind of weapons-system; the kind of super-scientific projects which Leonid Brezhnev warned about, when he cautioned USA against trying to out-missile USSR.

This spring Science (Vol. 216 P-30) revealed that such a weapon could render helpless all USA space-war systems

planned to cost hundreds of billions.

With a single blast a special nuclear weapon, high over Earth, could knock out all satellites, missiles, laser platforms, shuttles and whatever, by paralyzing their delicate microcomputer electronic "hearts".

No second blast would be required; indeed, the first one might well "paralyze space" around our planet for weeks or even years.

He who lives by the sword might well perish by the very weapons intended to exterminate Socialism.

You see, then, why such a powerful figure in European military-economic circles as Mr. Barnes wonders out loud about "cooperation with the U.S."

Not just questioning whether cooperation is necessary, but

whether it is safe ... or even sane.

Such is the nightmare that spoils the dreams of the NATO brass during this long eventful summer.

## No one to meet us?



After 40 years of trying to contact People Out In Space (extra terrestial intelligence, or ETT), scientists of USSR and other nations are beginning to question the existence of creatures like us. Or super intelligent. Or... like what? Here 'NN' reports latest facts.

As you've seen earlier in NN the famous Soviet astronomer Iosif Shklovsky has for some time been convinced that there is, indeed, "no one out in Space to meet us".

Not many people agree with him. How about you? Do you feel a need to believe that Mankind is not alone in the vast Universe?

Or, do you hope that Super Intelligent Space Beings — when we contact them — will solve all our problems?

Have you ever thought that meeting such creatures (thousands of years in advance of us) would actually mean looking into our Future?

If you're concerned about these questions you'd have enjoyed yourself recently at Pirita, Soviet Estonia. That's where the Olympic sailing contests were held. This time, Soviet and foreign scientists gathered there to discuss...

Scientists aren't often undecided. This time they were.

— Space Beings, many said, probably do not exist beyond our Earth.

 But! We must make every effort to keep on searching for them.

How come scientists are so sceptical, after just a few years "hunting"?

For one thing: in recent years Man's use of radio and TV has increased a million times. Seen from "out there", this tremendous "glow" of radiation

would be a startling "signal" to intelligent observers. Couldn't possibly have gone unnoticed.

Well? Nobody let us know.

But another famous Soviet space researcher, Vsevolod Troitsky, insists that this proves nothing: we know there are 10 billion galaxies like ours, containing (each!) 10 billion solar systems, so who could believe our one solar system has the only intelligent living population?

At the Pirita conference both sides agreed on one thing: the mystery is bound up with the origin of life, an unsettled problem.

Lately, many "space probes" have discovered, out in the Cosmos, things such as amino-acids, nucleic acids and polymers, substances associated with the appearance of life.

So maybe life is originating all the time, over vast areas?

If so, why hasn't one form of life evolved, like us, and gone on to super intelligence that, surely, would be able to spot Earth's tremendous recent radiation-activity?

Many scientists say that any Super Beings would (like us) be signalling for contact with others. But we have not yet picked up anything faintly resembling such a call.

Is it really that simple?

ose who favor Troitsky's view pre-

Those who favor Troitsky's view presented some figures at Pirita. Thus, to build a "radio station" to cover our entire galaxy, you would need as much power as our Sun pours out; and the necessary aerial would be as big as Earth!

On the other hand, couldn't Space People do that, if they are say a billion years ahead of us in Science?

Is it "expecting too much" of Them, when you consider the incredible progress we humans have made in just a few thousand years (really only 100 years of modern Science)?

Furthermore, wouldn't a highly advanced race of Super Intellects be "making their mark" on radiation throughout the Universe, just as we on our planet are doing now ... but on a vastly greater scale?

Facts are stubborn. In all kinds of observatories we're "tuning in". Nobody

seems to be broadcasting.

#### Don't look now, but maybe they're not getting through our thick heads?

As several scientists pointed out, maybe Other Beings are right out of our ball-park entirely. Sending signals which we can't grasp at all.

Maybe they "broadcast" by using entire Suns, or gigantic power sources like "quasars"?

Soviet scientist Nikolai Kardashev thinks we should concentrate on "spot radio sources" inside our own galaxy; or weird "warm stars" that pour out great energy but stay down at our room temperatures.

Vytautas Straizys points to certain stars containing a great deal of metals and rare elements: are these places industrial waste dumps of gigantic civilizations?

Okay. If they're that big and that advanced wouldn't they pick us up and notify us?

You may have your own answer to that one, shared by many scientists, who believe, well ...

Someone Out There is ready to meet us but we're not responding.

Because we're "talking two languages" separated by billions of years of intellectual progress.

Some believe that we are already picking up "natural" radiation which isn't produced by lifeless objects in Space, it's intelligent.

Troitsky says he thinks a breakthrough in ETI communication is due to come in the next 10 years.

Mainjob is to turn our "receivers" on to the "nearest" ten billion stars like our Sun, trying wavelengths not yet explored.

Too bad there isn't full world-wide cooperation in this research.

You may well smile when you find out the kind of questions those eminent scientists asked . . .

Never mind what we're looking for, Out There, but what is it there for?

Even if you dismiss the idea of a "supreme intellect" (God), what is the purpose of iron, tungsten, uranium, any matter, in the Universe?

Why does matter keep chaging?

Why does it "finally" change into living things ... like us?

Regardless of the answers, Soviet science insists that Man is a social organism. Because of that, we must search for Others around us.

Because Shklovsky is a sceptic he makes a very powerful point.

Just in case we are the Only Ones, we must make sure nobody knocks us out forever in nuclear disaster.









### Inside view of Soviet public opinion

- o An unusual "popularity contest" over there reveals their way of thinking.
- o As over here, so in Socialism, millions follow stars of the sports world.
- o For four years now, every month, their youth paper (with ten million readers) has been collecting enormous numbers of "votes" for sportsman-of-the-month.
- Why they choose the men and women they do can tell you a great deal.

Natalya Petruseva was their January heroine. A speed skater, she retired to have a son. Meantime, USSR didn't have a single woman up at the top of world skaters. So Natalya decided on a come-back. She was terrific. Took the world title at Winter Olympics, then the gold at Lake Placid. Everybody loved her determination and the way it payed off in victory.

Igor Bobrin really has what it takes, with women fans. No doubt whatever he was February's winner. Masses of "votes" came in, and 7-out-of-10 were by women. Igor is one of the most graceful, artistic men ever to win the European championship for figure-skating. Besides, he can "act" so well on the ice that everyone recognizes his tragedy and comedy figures. At a news conference Igor beamed when he found that figure-skating now rates ahead in popularity over football and hockey. (NN wonders if that's becoming true in Canada, also, judging by TV.)

Irina Vorobyova and Igor Lissovsky (man and wife) topped them all in March ... figure-skating again! Reason, too. Beautiful Irina was alone on the ice for a long time (no partner). But after training with Igor for 30 months, well, that was it. In no time they captured the world championship for pairs. Before helping Irina, Igor was up at the top in men's singles.

Alex Maltsev... we're sure every Canadian would have voted for this fantastic hockey player. He won the Soviet April poll mainly because that month brought him his sixth gold medal in world championships. He's been playing with Moscow Dynamos for 10 years. Try to get a ticket for a Dynamo game when Alex is in the line-up. Our players can't believe his very modest income.

Shamil Zagretdinov won in May because millions and millions of Soviet people, young and old, are cycle fans, and Shamil (from Uzbekistan) won their biggest race of all. In fact, he topped individual and team places, both.

Vladimir Polyakov really captured Soviet fans' hearts in June, mainly because he astonished them all. Even the coaches figured this 19-year-old Moscow boy was just a good pole-vaulter. So Vlad took his training very seriously and then made headlines: he broke the world record with 5 meters 81 centimeters.

Vladimir Smirnov showed conclusively that you don't have to be in a popular sport to win national approval in the Soviet Union. Fencing is not exactly the people's sport anywhere. But this young Ukrainian beat every other star in July. Mainly because he followed up his brilliant victory in the Moscow (1980) Olympics with a decisive world title in Clermont-Ferrand, France. Everybody liked the swordsman who could beat them all, right there in Three Musketeers territory.

Vladimir Parfenovich piled up a winning vote by fans in August, perhaps because he's no longer a youngster. At 23, he showed he's still the top canoeist, by winning firsts in three tough races in Britain. You may remember that a year earlier he won three Olympic titles. Vlad was most happy not for his win but because canoing has swept into popularity in USSR.

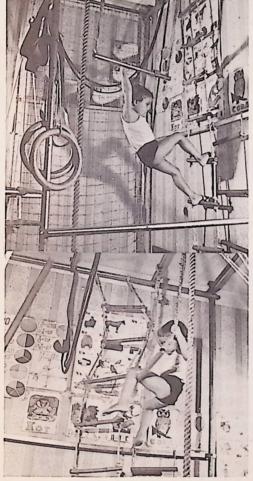
Valery Vasilyev's name is going to make Canadians wince. Yes, he was captain of the team that won our Canada Cup last September. This victory had a tremendous impact on all Soviet fans, who saw it as a contest between amateur and professional hockey, enthusiasm vs. money. So who else could be top-of-the-month? Obviously, fans of other sports dropped their preferences to honor Valery, who is one of hockey's greats.

Ramaz Shengelia we don't know at all, but probably we will. No question of him heading their popular poll in October, when his National Football Team finished the season without a single loss, and qualified for the World Cup finals. Also, Tbilisi Dynamo, Ramaz's team, won the European Cup tournament. Also, Ramaz scored more goals than any other Soviet player in 1981.

Anatoly Karpov couldn't have backed out of the winning place for November if he had tried. This amazing genius of world chess didn't by himself choose to "represent" Socialism, playing against a renegade former-Soviet player who was promoted lavishly in every Western paper. But that's how it turned out, thanks to our powerful media machine. However, Karpov is respected in USSR not "only" because he won the world title again, but also because he exerts himself as few champions have: he plays in more tournaments than any title-holder ever. He is Socialism personified in sports.

Yuri Zakharevich piled up the winning total of Soviet fan votes in December. Maybe because Soviet people see in him an example of their new generation coming up fast to the top. It happened when Yuri, who is only 18, moved out of the Junior weightlifting class. Spectacularly. Trying in the 100 kg class, he broke the world record for the 110 kg. Then, in a single day at the USSR Cup Competition, Yuri broke five world records.

# WHAT'S HERE



New compact home "gym" is being pushed by Soviet specialists as finest way to make youngsters strong, prevent injuries. And they use it purely for fun.



Newest plane designed by famous researcher Antonov, called Antaeus, has taken world record for lifting power. Powered by four of USSR's mightiest turbo-prop engines. AN-22 has typical low-hung body.



Powerful and widespread heating systems in Moscow have changed winter climate sufficiently to make many "south-flying" birds stay over and thrive even in coldest weather, mostly in the capital city's parks.



Nowhere else in world can you find biggest stadiums jammed with people to hear great poets read their verses. This crowd was a sell-out when Yevtushenko read his latest. Man second from left is Louis Corvalan, heroic refugee from fascist rule in Chile.



Many rural areas of USSR are changing unrecognizably, as standard of living on big Co-Op and State Farms rises. This unusual housing is part of Parnu Administrative Center in rural Estonia.



Few foreigners know that Moscow has a most beautiful mosque. Here Imam-Khatyb Mustafin celebrates birthday of Mohammed.

### How they smothered Hitler's "Typhoon"

Forty-one years ago this month the world's most powerful war machine was stopped dead, turned around, hurled far back from Moscow. When you know how this was done, you can form an intelligent opinion about today's ambitious war-lords.

Two months after he invaded USSR, on September 6, 1941 Hitler signed his ill-fated "Directive 35"—take Moscow.

Germany's High Command was given everything: 77 divisions (over one million men!), 1700 tanks, 14,000 big guns, 950 aircraft.

Code name: Operation Typhoon.

Hitler personally assured his troops this was "the last decisive battle."

At that time Soviet strength was limited: 800,000 men, 780 tanks, 6600 guns, 545 planes. As a result, by October 2 the Hitlerites were breaking through and had encircled four Red armies at Vyazam.

However, these trapped armies did not fold up, and pinned down 28 Nazi divisions. Assessing this situation Stalin's Command made a decision to throw up an emergency defensive line close to Moscow. Despite the fact that the Hitlerites had suffered very heavy losses, they had moved 150 miles nearer to the capital.

But! Their offensive ground to a halt. This enforced "rest" gave the Soviet Command justification, in November, for preparing a Red Army counter-offensive.

No one in Germany or in the West even *conceived* that such action by Soviet forces was possible. Every expert believed that the "Typhoon" version of Hitler's "Blitzkrieg" (lightning war) would roll through into Moscow before Christmas.



The Germans made two fatal errors. They failed to grasp what terrible losses Soviet troops had inflicted on their tanks and guns.

And they failed to realize that the whole Soviet people were rising for the decisive Moscow battle.

In contrast, the Soviet command coolly analyzed the main directions of Hitler's thrust, and concentrated troops and the heaviest armored fire-power at those points.

One example of "the action" was on the Oryol-Tula sector. With incredible heroism and skill the 1st Guards Rifle Corps fought for 9 days to break Guderian's famous crack tank corps. Indeed, after stalling those tanks, Red Army gunners moved up and dealt them a devastating blow near Mtsensk.

Meanwhile, even the encircled Red Armies (in the huge Vyazam area) were not simply digging in. They fought back so fiercely that the surrounding Nazi forces could not possibly play their scheduled role in the next big drive.

Meanwhile, Moscow was able to bring to the front large new reserves.

In mid October another exceptional battle took place near Borodino (famed in Napoleon's war).

General Lelyushenko, facing a break-through by 30 Nazi tanks, ordered his entire headquarters staff into action. Lelyushenko himself was badly wounded, but one of his junior officers led men to wipe out 15 of Hitler's super-tanks, while another lieutenant directed the slaughter of 21 of those giants.

The "record" was held by Red Army forces near the Volga reservoir. A Nazi force of 300 main tanks first broke through, then lost 60 tanks when flanked by counter-attacks.

You may have read the classic (and true) war novel: Volokolamsk Highway. Fighting there was legendary. At Dubosekovo Railway Station just 28 Soviet soldiers in a single day wiped out 18 attacking tanks.

Military "regulations" often went out the window. Lacking enough power for "conventional" surprise attacks, some Red Army units attacked in the middle of the night, and without bombardment, overwhelming the fascists literally in their sleep.

This was highly effective so long as the Soviet forces were short of tanks and assault aircraft.

That situation rapidly changed.

When the Soviet High Command finally gave the order to exterminate the Nazi "Typhoon", in a few days the Red Army liberated 11,000 inhabited centres and freed over a million Soviet citizens from the Hitlerites.

Many editors in the West could only describe this as the "Moscow Miracle".

Anything to evade the truth.

Socialism had demonstrated its absolute superiority over fascism. The "invincible" Nazis, who had rolled all over Europe, proved to be inferior in arms and courage to forces that created the Red Army.

On December 15 Soviet troops entered Klin, and it was clear that the main battle was over. In one of history's rarest "inspections", British Foreign Secretary Anthony Eden was taken right to the front lines, and saw for himself the mountains of German armor and corpses. The Nazis at one stroke had been hurled back 125 miles.

They lost 500,000 men. Over 1300 tanks, 2500 big guns, 15,000 trucks.

And this victory was achieved in an "impossible" way — by troops who did not out-number the "defenders".

Very soon comments were made.

Nazi General Blumentritt: "Moscow was a turning point, hopes dimmed, it was essential for political leaders (Hitler) to grasp that the days of the blitzkrieg were over."

General Gott: "The attack on Russia was a political mistake."

Well, what is the political difference between Hitler's "Typhoon" and the Pentagon's "pre-emptive nuclear strike"?

"Only he who has decided to commit suicide", said Brezhnev, "can start a nuclear war in the hope of emerging from it the winner."





# Socialism's Rails

Thousands of miles of rail lines are being scrapped here in North America. "Too much track chasing too little business" says U.S. News. Interesting to see what goes on in USSR. Because railways are becoming the key transportation in both world systems.

- o Soviet railways carry more freight and people than any others in the world. No tracks are being torn up over there.
- o They don't have as many miles of track as in USA. But what they have handles more than half the entire railway traffic of the world. They use their rail lines six times more intensively than do USA roads ("chasing too little business".)
- o Unlike Canada and USA, Soviet railways operate at the service of passengers and publicly-owned industry, farms; which means that cars and trucks do not dominate their transportation system, since railways are more efficient.
- o Problem now: they can't run any more trains on present tracks, so in present 5-Year Plan they have to lay additional tracks on more than 3000 miles of mainline routes, in sharp contrast with thousands of miles being torn up now in USA.
- o At same time they are building 2100 miles of brand new rail lines, and turning over 9000 miles of older lines to automatic controls (to speed traffic).
- Already, USSR has converted 30 of its rail lines to super-efficient electric traction, and before 1985 another 3600 miles will go from oil to electricity.
- North America is antiquated compared to USSR, which by far leads the world with 25,000 miles of electric railways; carrying way over half of all their freight; besides cash-cost-efficiency and speed, electric lines cause absolutely no pollution.
- o World's longest electric rail line is the Moscow-Karymskaya, extending 3900 miles; you can also travel all the way from Moscow to Kiev, or Yerevan, or Sevastopol, on super-smooth electric sleeper-trains.
- o Soviet people have more electric rail lines than USA, Canada, Britain, France and Japan combined.
- o Their railways have the same basic problem that faces all of Socialism's industries: more jobs coming on line than young workers growing up to fill them. So they're having to attract workers with all sorts of incentives, such as very low-cost housing.
- o Work on Socialism's railways is certainly not easy. Mainly because their "traffic density" is highest in the world. They have lines that handle 160 freight trains and 40 passenger trains every 24 hours! That's one big train every 5 to 7 minutes.
- New second-track lines also greatly increase density in stations, divisional points, freight yards.

- To some extent *electrification* eases the work-load, so it is vital for them that by 1985 more than 6-out-of-10 tons of freight will be electric-hauled.
- Also, they're developing super efficient trains to carry ores and coal on a continuous 365-day schedule (little or nothing else on the line); basis for this is a very long (heavy) train, with 100 or more trains passing one point in 24 hours.
- USA already has heavier trains than USSR, built to cut engine-crews (less jobs, more profits); but such trains will be introduced in Socialism very gradually, since the vast Soviet rail network does not have yards long enough for super-heavy freights.
- However, most profitable of all freight trains are now running on Soviet lines: huge electric locomotives which do not use brakes on down-grades trains are "braked" by their motors, which become generators, sending power to trains climbing the same grade. Enormous quantity of power is thus saved, and countless brake shoes do not get any wear at all.
- The effect of one descending train pulling a climbing train (by using "brake energy") is of exceptional economic value in mountain regions.
- Another economy-efficiency development in USSR is change-over from standard Direct Current electric lines to high-voltage AC, which drastically cuts the cost of building (and maintaining) electric power systems for railways; until Soviet electronics engineers did it, the high-voltage system was thought to be impractical.
- Much bigger freight cars are also in their rail plans. They'll feature eight axles. However, they are too wide and tall for many Soviet bridges and tunnels, so they aren't coming into production before 1988.
- Disregarding that 6-year outlook, you see the Soviet rail industry as a *tremendous economic stimulator* to their entire economy, not only because of new job openings but mainly because of orders to industry.
- Imagine Canadian and USA heavy plants with rush orders for 3000 giant electric locomotives; 2500 diesels; 8000 multi-section engines; all to be delivered before the Plan ends in 1985.
- Think of our shut-down steel plants and rail factories getting orders for 390,000 steel freight cars and 15,000 big passenger coaches, soonest possible delivery. Such are the immediate demands of Socialism's rail lines, with bigger Plans already in the works.

Rudenko Neuro-Surgery Institute, world famed, specializes in "impossible" treatments.

"Impossible" case, Yugoslav actress Merime Isakovic, was paralyzed in accident. Her spinal cord was repaired. First she walked, and now she has resumed her career on the stage.



## "Main social task: h

As NN Readers have known for many years, the Soviet Government considers its main duty to be preventing



Socialism has far more doctors per 100 people than any other system, and big majority of them are women.



Children in Soviet North get sunshine-lamp treatments from infancy. Even farm kids now get physical "therapy" in swimming pools.

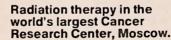


Big hospital serves we Plant, considered jus working-conditions. N



This health center of Carbolit people after shifts, plays maj preventing serious, chronic i

Larissa Russu regained her eyesight, can see her daughter on hospital TV.





Ahmed Dello (Syria), Michael Obeyd (Lebanon) Genem (Yemen) are three of thousands from Louisian Countries getting medical education Soviet Union.

## ealth of the people"

illness and improving health. We asked our camera people to send us some latest pictures of all this.



tkers of Likhachev Auto us vital as wages and iinly for preventive care.

orks treats mole in

handiya



In USSR today they have 4000 "crews" checking air, water, soil, noise, like these medical workers in downtown Leningrad. This way they do more than sound alarms about environment, they correct pollution where it starts. Most Soviet cities are now very clean.



Only center in world for deaf-blind children gives loving care to those totally cut off from world around.



Left: Trade Unions have doctors who visit workers on production-line, checking problems and preventing trouble. Above: portable X-ray Clinic travels to small centers bringing big-city services.

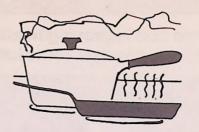


Most sophisticated operations (as here, on eye) are done in smaller republics too, like Moldavia.



Millions of children are afflicted with spine curvature, but USSR is only land where big centres really cure it. Special "bed" classes.

Nutritionists here are at last recommending potatoes for their protein and high-quality carbohydrates, as long recognized in USSR. Potato-eaters have low heart disease risk. Potato protein rates as high as that in eggs and milk. Almost as high as beef. At today's prices, you can save a bundle by adding more spuds to your meals. Recipes from USSR.



Quick, easy, different. First boil 2 pounds of potatoes until tender. Slice and fry in 1 tablespoon butter. Beat 3 eggs in a cup of milk, salting to taste. You simply pour the mixture over the partly fried potatoes, and then bake in medium oven until golden.

Just as quick and easy. Follow first recipe, but instead of milk-and-eggs you pour over the partly-fried potatoes a cupful of milk blended with a teaspoon of flour and some salt. But in this one, cover the dish (casserole is handy) before you bake it in the oven. Simmer until tender enough for you. Sprinkle green onions or chives on this just before serving.

~~~~~~~~~~~

Mushroom-filled cakes. Boil 2 pounds potatoes until tender, drain, and mash thoroughly while hot. Now mix into them two egg yolks. Mold into flatties like pancakes. Next comes the filling: 4 ounces dry mushrooms (canned, wet, if you drain well), cooked in a little butter until tender, then chopped fine with two onions and fried again. This filling you place on potato cakes, folding cake over (to form half-moon) and pinching edges together. Sprinkle filled cakes with egg-white, then bread crumbs. Fry once more in hot butter. Can be served with sour cream or tomato sauce.

Potato "layer cake". As in other recipe boil 2 pounds potatoes, mash, mix well with 2 beaten eggs. Now add 3 tablespoons of warm creamed butter. Meanwhile, fry 3 sliced onions to tender. You put half the potato mixture in a buttered baking dish; spread all the onions on that; cover with the other half of potatoes. Brush with butter, bake 20 to 25 minutes. Any sauce goes very

~~~~~~~~~~

Fresh mushrooms only here. Pound and a half of potatoes, pound of fresh mushrooms, 2 onions needed. Wash and scald mushrooms, then fry in butter with sliced onions. Boil potatoes ten-

0000000000000000

der, then brown in butter. Mix potatoes and mushrooms in casserole. Pour in just enough water to cover. Sprinkle in salt, pepper, parsley. Cover and simmer 25 to 30 minutes. Then spread with half a cup sour cream, and sprinkle with greens before serving.

Meat and large potatoes. Cook two pounds big potatoes in salt water, until half done. Then peel them. Cut each potato in half. Scoop out one half. Mix 'scoopings" with three-quarter pound of ground meat, adding one egg and some dill (if you like it), with salt. Put this mixture into the scooped-out halves of potatoes, then cover with the unscooped halves. Pack tightly into casserole. Pour in some meat stock, and simmer until tender. Before serving, thicken the liquid with tomato paste, sour cream, little flour.

Herring and large potatoes. You go through above recipe but make different filling. Ground herring. That's mixed well with potato "scooping", plus two finely chopped onions, plus one egg, plus half a cup of sour cream. Stuff that in scooped potato halves, press tightly with unscooped halves, and then add butter (not meat stock). Enough butter to brown potatoes nicely in oven, hot. Pour over sour cream when serving (some like to cook cream for last few minutes, spread over potatoes).

Mushrooms and large potatoes. No, this isn't the same as previous dish with mushrooms ... try and see. You proceed as above, cooking and scooping big potatoes. But filling is made with quarter-pound mushrooms, friend with one finely-chopped onion. Cook in casserole with either butter or mushroom stock. This is good.

No ordinary fries here. It all seems simple, but you must try it to appreciate it. Take care slicing 6 cupfulls of raw potatoes. Get slices as thin as possible. Soak in ice-cold water, then drain, and

dry slices carefully on towel. Salt and pepper to your liking. Place slices in baking dish (big enough) and then spread them with soft butter, liberally. More potato slices. Butter them. More potatoes, until all used up. Into hot (425) over for 45 minutes or more, until they test tender with fork. Now comes last, tricky stage: you have ready a big hot platter, and (watch fingers!) you turn the baking dish upside down over platter. Potatoes will come out looking beautiful, brown, crunchy. Super.

Fried but in the oven. You can use thinsliced, or diced potatoes here. Spread them all at once in a shallow baking dish. Shake up a mixture of lemon-juice, melted butter, salt. This is poured over the potatoes. Move them around for good coating. Bake (fry, really) at 400 for some 40 minutes (test for tender). You can stir them a couple times if you wish. Beats pan-frying.

00000000000

~~~~~~~~

Maybe you've had this? Seems it's a way they use in USSR to get kids to go for carrots-and-turnips, just like here. But if you don't know this one, you must sample it. Mix a cup of mashed potatoes with a cup of mashed turnips or carrots (or half of each), blending in one whole egg plus chopped onion. Make "cakes" on floured board. Fry cakes in hot butter or fat. Tomato sauce for serving. (Probably you should double or triple quantities!)

200000000000

Super potato soup. All quantities refer to "unit" of one potato. To double it, use two; triple is three, etc. To do this properly you must use a blender. Cut raw potato and one onion in chunks. Blend into 4 cups chicken stock (bouillon), adding tablespoon melted butter and one cup milk, with salt and (if you like) hot pepper. Blend perfectly smooth. When all is blended, bring very gently to boil, with constant stirring. Will get very thick, and must be thinned with boiling water. At end, add chopped green onions or chives.

(See Page-17 for Report on nutritional values of potatoes.)



# POTATOES



economical nutrition

Our COST-of-LIVING—especially the cost of FOOD—makes it more urgent than ever for us to get the best possible nutrition, at lowest possible prices. That is one reason why this new Report can be very useful to you.

- e Formerly unknown nutritional factors were discovered recently by Soviet biologists who were seeking to end river-pollution, in factories making starch from potatoes.
- e About the same time, other researchers found that the protein factors in potatoes make these tubers nutritional rivals for milk, meat, eggs.
- e This Report is a condensation of latest available scientific materials on this subject, with attention also to food poisons sometimes found in spoiled potatoes.

Detailed nutrition-cost figures. Little-known precautions to take when checking potatoes before cooking. Truth about the newspaper "scare" regarding potatoes and pregnant women. Value of pre-cooked and freeze-dried potatoes.

"POTATOES" - Exclusive N-N Report - Only 85 cents - 3 copies for \$2 - Postage free





YOU CAN STILL MAKE IT Over to Socialism this Summer and Autumn.

- o Two super holidays, featuring long cruises on the Volga (or Dnieper) River, can still be booked if you hurry. Departure dates are July 18 (return August 12) and July 22 (return August 12).
- Prices for these cruise-tours depend on the special accommodation you choose (on ship). They range from \$2364 to \$2837.
- e All NN-USSR Tour prices include EVERYTHING—air travel (there and back, and inside USSR); other travel (ships, bus, etc.); all your hotels and your meals for the entire trip; plus many extras like excursions, theatres, sightseeing, English guides-interpreters.

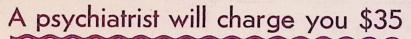
MAYBE YOU'D PREFER our "GOLDEN AUTUMN" TOUR that takes you through Three Soviet Republics and includes a terrific 10-days Sunshine Holiday on the sands at Sochi (famed Black Sea resort).

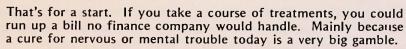
This Tour leaves September 2 (returns September 23) and because it is 'off-peak-season' crossing the Atlantic you get a real BARGAIN: complete Tour for \$1865 per person (EVERYTHING paid for).

AND FOR THE EXPERIENCE OF A LIFETIME, you can still make it on our famous Round-the-World Tour that takes you on the TRANS-SIBERIAN RAILWAY (like nothing else in this world).

- Θ YOU CAN STILL LIVE A WHILE IN SOCIALISM THIS YEAR!
  - Θ WRITE 'NN', CHECK COUPON ON Page-25, or PHONE US: 705-687-2591.

### In the darkness of depression a new promise ...





We can't promise you any cures. Just like psychiatrists. But then, look at our prices. Out most expensive Report on Overcoming Depression is \$1.50. Our three other Reports that have helped thousands you can get fofr 45 cents each. All are exclusive 'NN' Reports giving specific methods they use in USSR for treating common mental-nervous disorders, such as Depression. Many Readers tell us that they obtained marked relief, just on their first reading of these Reports. Perhaps best proof of that is the fact that people keep on telling others about these publications, and so we've had to re-print them time and against.

Many lengthy books on this problem don't give you nearly so much real help as "OVERCOMING DEPRESSION" - No.434 - \$1.75 - 2 copies for \$3.00

"How To Strengthen Your Nervous System" Deals with 'Neurasthenia', regarded by Soviet specialists as the most common mental and nervous ailment, one that can be stopped before it leads to serious ills. Six major methods described in detail. Worth very careful trial. May be what a friend needs. "How To Strengthen Your Nervous System"

No. 896 - 85 cents - 3 copies for \$2.00

"How To Overcome Unpleasant Moods" Everybody has moods, but your bad ones are the moods you and others notice. We don't know why psychiatrists charge by-the-mood, but this Report gives many practical methods used in USSR to relieve moodiness. People say they're surprisingly effective, too.

"How To Overcome Unpleasant Moods"

No. 895 - 85 cents - 3 copies for \$2.00

"How To Produce And Maintain Happiness" - Nothing like this ever before. A fresh and inspiring approach to a problem that spoils life for millions. Know someone who is very miserable? Ever feel depressed because you lask self-confidence? Often disappointed, never seem to 'win'? You've never seen any "system" for improving your life, like this onw. Here's Socialism's exclusive way to make Happiness.

"How To Produce And Maintain Happiness" - No.745 - 85 cents - 3 copies for \$2.00

ONE copy of ALL 4 ABOVE - Price \$4.30 - for ONLY \$3.00

THREE copies of all 4 (12 publications) - Price \$12.90 - for ONLY \$10.00

### Glad times—Sad times —Anytime at all

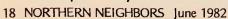
When you want to send that special message, on that special occasion, to someone who is special for you, no way you can do it better, in keeping with our modern age, than by using NN's exclusive greeting-and-note cards. Full size cards, 9 inches long. Attractive colors. Lots of space inside to write a note if you wish (even a full-size letter). Or, just your name. Our three different cards help you choose the best for sending....anytime.

"DOVES of PEACE" Cards. For any occasion. No 'slogans'. But theme of Peace lifts your message high up above ordinary sentimental cards. Especially timely now.

"SOCIALIST GREETINGS!" The kind of card so long needed by progressive people. Outline of Lenin, on scarlet banner, carried by multitude of people bearing militant slogans.

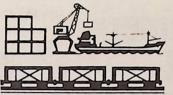
"PEACE UNTO OUR PLANET EARTH!" By world-famed artist. Beautiful. Goes well with any 'mood' you want to convey, from hearty congratulations to deep sympathy.

PRICES: Any cards, in Sets of 10, with Envelopes, only \$2.65. Postage free. Compare price-per-card with store prices today. If you send lots of cards we supply them at 100 cards for \$16.00, without envelopes. They take standard-size envelopes. Many Readers tell of good responses to these cards.



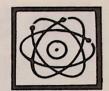












# just won't go awa

Although the price we pay for energy has recently become a topic familiar to almost everyone on Earth, by no means all people see that our standard of living depends on how much energy we use.

Scientifically, this boils down to the fact that in advanced countries today we produce some 10 kilowatts of energy per person — meaning that every man, woman and child has the equivalent of ten human slaves working for him or her round the clock.

Nearly all our energy we get from sources built up for millions of years. We burn it up at a rate that allows no time for

That is why energy is today and will be for a long time our Number One Problem, scientifically, economically.

As a result, we've seen in the past 10 years every imaginable "solution" to this problem. The big majority have been novel, and thus interesting. But they don't and can't work, in practice, because they violate one simple engineering principle: to be useful, energy must be reasonably concentrated.

To picture that, think of water pouring through a high dam on a big river — very concentrated energy, so power dams are profitable. Raindrops falling gently to Earth also possess energy — but it's too "diffuse" to be of any practical value in giving us power.

Indeed, we let nature "compress" the rain into the flow of mighty rivers before we use it to give power.

Famous Soviet scientist Ioffe once invented a high voltage (electro-static) generator, very cheap, simple. But in practice it needed a spinning rotor a quarter of a square mile in area ... quite impractical.

Power from the Sun can help to warm houses and bath water, in some sunny locations. But to power a medium-size electricity station you'd need half a square mile of mirrors. The cost is prohibitive.

Power from the Wind is great for pumping water in remote places. But to make commercial power you need "windmills" with 300-foot blades set up in batteries of 10, 25 or 50. Only governments can pay the cost, and the machines are unreliable, don't last very long.

Over most of our planet Sun and Wind have another bad disadvantage: they don't deliver power on cloudy or calm days, so you need auxiliary fueled power generators — puts the cost up through the roof.

Sun and Wind are so popular because they seem to be "free". Actually these power sources are no more free than Niagara's water, or oil gushing from a shallow well, or coal just waiting to be shovelled up. Turning those "free" sources of energy into useful heat or power requires major industrial installations, and often costly transportation also.

It's very interesting to look at a "borderline" case: the stupendous heat waiting for us, about 6 to 10 miles down inside Earth — called geo-thermal energy.

Again, it's free energy. It's being used today in several countries. But big promoters quickly ran into a serious problem: how to "gather" the heat, rapidly, from a vast area of deep rocks, when rock is a very poor conductor of heat.

The noted Soviet scientist Kapitsa says this problem can be solved by tremendous nuclear blasts deep underground, to shatter the rock and make it permeable to water, which can rapidly gather the geo-thermal heat.

Now, Dr. Kapitsa realizes that some tough problems might arise in such an effort to "tap" volcanic rock. So he concludes only that it is worthy of further study.

"Gasohol" is still another "alternative" energy reserve, much in the news here some time ago. Gasohol is gasoline mixed with alcohol produced from specially cultivated farm crops. Tried on quite a big scale in USA. But recently three of the big filling-station distributors pulled gasohol off the market.

It is still big in Brazil, where they may switch soon to 100 percent alcohol car fuel. So alcohol from crops could be practical in some tropical countries, provided the cost of fertilizer isn't prohibitive.

As all NN Readers know, the Soviet Union considers that nuclear power is the most promising of the new energy sources, and therefore Socialism is carrying out the world's biggest atomic energy program.

No mystery there. Nuclear power is by far the most concentrated form of energy developed to date.

Once the problems of thermo-nuclear power are solved (controlled H-Bomb energy) then the energy worries of Mankind are over - there's enough "fuel" (deuterium) in the oceans for endless millions of years.

However, we must come back down to Earth!

The vast power needs of USSR and the rest of our world cannot be satisfied, in the immediate future, by nuclear energy alone, and most certainly not by Solar, Wind, Geothermal or Gasohol alternatives.

Only the "expendable" fuels - oil, gas, coal - can be counted on to keep civilization running, and raise the standard of life for millions, in the years ahead.

This is the central energy "policy" of Socialism.

But you can be quite confident that Soviet science is leaving no possible "bets" unplaced!

Right now they're building the world's biggest Solar Power plant in Uzbekistan — 300,000 KW output. And they mass produce small solar heaters and cookers.

They have blueprints coming up for gigantic Arctic Wind Power networks.

They are using Tidal Power now, in small-scale stations intended to serve as models for future giants.

You can get useful slants on Socialism-in-Action from their energy position ...

- They study and develop energy scientifically, and aren't influenced by fast-buck promotions.
- Unlike USA promoters they don't sell costly Wind generators for profit, to people who can't make economic use of them
- But in the opposite direction: Socialism is spending heavily on the very projects which Reagan (in the name of helping Free Enterprise) is cancelling ... Solar, Wind, Geothermal, Tidal, Crop Fuel "alternatives".

USSR won't exploit any customers. Neither will any far out proposals be scrapped to cut budgets.

'Just in case', they're keeping all options wide open.

### Why Soviet farmers are successful

Our chart (on right) shows you the steady upward rise of Soviet grain harvests, contradicting what you read in the media.

Their farmers face a complex situation, but a look at the facts shows why we never hear about that.

Soviet farmers have to make do with a vast land having poor soils, insufficient rain and snow, short growing period, frequent droughts ... worse than any other major agricultural nation.

What scientists call the "biological potential" of a country rates three times higher in USA than in USSR.

Over in Europe France, Italy, West Germany and especially Britain have very much higher "potentials" for growing food, than the Soviet Union has.

Look closer. Here on our continent, if a farm region normally gets 15 to 20 inches of rain-and-snow per year, we rate it "arid", too dry for big crops. But over in USSR that much moisture is greeted by farmers as very welcome, quite adequate.

Actually, most of USSR's grain lands are in what's called high risk zones: 11 to 13 inches of moisture isn't a drought to them, it's normal, the expected thing.

But see the USA, where grain farmers are supposed to be far superior to Soviet farmers. The great majority of USA crop land gets 25 to 40 inches of moisture in average years.

Consider winters. To a Soviet farmer, 90 percent of USA doesn't have any winter at all, as they know it.

Not 15 Soviet acres in 100 enjoy 170 frost-free days each summer. In USA, 70 of 100 acres of cropland can count on that necessary length of growing-season.

The astonishing fact is that Soviet farmers have raised their grain production from 86 million tons up past 205 million tons per year with an average frost-free summer of less than 145

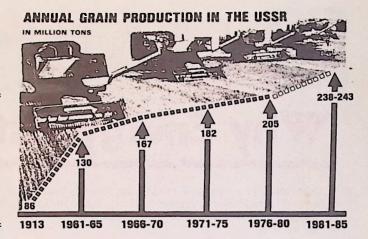
All these facts-and-figures apply to "average" years. Other years have been disasters. Just in the "best" (European) farm areas of Russia, farmers have been stricken by 34 terrible droughts in the past 80 years.

You get the significance of this? Regardless of their different economic-political system, Soviet farmers must cope with natural conditions so bad that it's doubtful if our agricultural system could equal their record of success if faced with such obstacles.

But ... is all this using "nature" for an alibi? Why don't they have enough food in their stores?

- Bread and all grain-foods they have in abundance.
- The grain they buy from us and other countries is fodder-grain for livestock, for meat production.
- Their major livestock areas have 6 months of winter, greatly increasing the need for cattle feeds.
- Capitalism gets most of its meat from countries like Australia and Argentina, where livestock eat off the land outdoors all year round.

So the "food shortage over there is largely a meat shortage, which can't be overcome simply by following methods used in soft-climate countries.



Yet they are successful in this field also.

You could be understandly sceptical about that.

Don't the papers report less meat over there?

No, friends, they don't. They can't, if they report facts and not pure fabrications. The facts show that Soviet people (tens-of-millions more of them) are eating much more meat, milk, butter, than they did earlier.

These increased supplies are being delivered by the successful Soviet farming people, despite three recent years of bad weather.

A fact you never see mentioned: back 10-12 years ago, no "shortages" of milk or meat were reported in USSR. Shortages came later. When their farmers were already producing much more. How come?

The rapidly rising standard-of-living! Tens of millions got higher pay, wanted better meals, and thus those "shortages" appeared (quite rapidly).

A fact you never see mentioned: since 1965, they've opened more than 10 million public eating-places. To say nothing of hospitals with millions of beds. And day-care centers for millions of children. This adds up to a tremendous increase in meals away from home.

In Socialism, suppliers must deliver the food that is ordered by these public eating-places. They also must deliver food used to make millions of take-home dinners, every day, supplies by factories.

All this has created terrific "pressure" on retail food stores, often creating "shortages" for them.

A fact you never see mentioned: supplies of food in stores, in Socialism, is not regulated, as it is here, by the almighty power of prices. Here, buying drops when prices shoot up. In Socialism, prices never change, so when wages rise, buying pressure rises ... you have line-ups to get scarce foods.

No one in USSR denies that their farms must produce more meat, vegetables, fruits. But why? Because Soviet people have a continually rising prosperity. Though their farmers have done much (solved the food grain problem, as our chart shows) they still have to conquer the enemy of unfavorable weather.

Their current Plan calls for a tremendous increase in fodder output, livestock production, fruit and vegetable growing, land fertility, farm machinery, fast processing-and-transport. All impartial experts see that this Plan is heading for success.

"Third World" countries are fully informed of new Soviet farming developments. For a reason that could be very

In 20 years the world population probably will rise to six billion. If so, farmers must harvest more food, in that time, than Man has grown since the human race began.

Socialism's successes can make this possible.

Mayor Fedotov has heart-to-heart talk with teen-agers. Most will leave school for college education. Problem? The mayor wants them to promise to return to their own city. So many new jobs open up every year, he'd like to count on them four years from now.

# Not Our Problems

Yuri Fedotov is the Mayor of a Siberian boom-town, Ust-Ilimsk. Rapid expansion means problems. But of a kind we don't know.



Soviet mayors also take up personal problems. This voter believes he can get his housing difficulty solved with the mayor's help.



Ust-Ilimsk must grow continuously, as industries move in and workers arrive. Mayor has to keep constant control over construction work. On this morning he checked plans for a new district, then went to see for himself what the high-rise apartments will look like.



Nearly all women have jobs, so day-care centres are vital. Mayor is proud of this one, which has its own kiddies' pool.



Checking on a deal he made: Mayor Fedotov got City Council to build youth a disco of their own, if they'd do decorating and lighting. They did. Publicly-owned, no-profit venture.

#### A war to end the world?

# USA is bleeding to death pouring its wealth into arms



Everyone knows that Reagan enormously raised military expenditures. But we all find it hard to grasp what these billions are for. Where the military is buying, you find no closed shipyards. Detroit is booming in its tank plants. Robots can hardly build planes fast enough, to carry bombs. The FACTS?

While President Carter decided that USA was going to establish its "rights" anywhere in the world, Ronald Reagan was elected for his policy of confronting the USSR everywhere, on regional or global scale.

This strategy of Direct Confrontation could be carried through only by tremendous increases in the production of "war materiel" of all kinds, needed for local conflicts or for war all over our planet.

Actually, Reagan only *increased* the rate of military spending. It had already leaped, in 20 years, from 45 to 135 billion dollars. By 1985 Washington will be buying for war at the rate of 300 billion per year.

But this is only "over-the-counter" purchasing. War is "progressing", scientifically, so fast that Reagan's advisors have fixed long-term (1982-86) needs, for the Direct Confrontation strategy, a figure rarely ever printed before: 1,500 billion dollars.

Result is, Washington will spend six out of every ten research dollars on developing new methods of mass destruction. As if *cancer* and *heart-disease* were not already killing enough millions-per-year!

While the medical laboratories of USA are having their budgets slashed, the Defense Department this year has been given \$68,500,000,000 to spend. In a couple more years they'll buy at the rate of \$100,000,000,000.

What about the sellers? Not satisfied. Besides selling arms inside USA, their salesmen travel far and wide, and profitably. For example, Saudi Arabia has paid them 35 billion dollars. Israel 11 billion. Even little Taiwan handed over 3 billion. And the list is half as long as the United Nations.

For some reason our media never run happy news stories about the booming "defense" economy. Could make very nice reading. You take back orders for example: USA arm plants are hiring, not firing, because they now have unfilled orders — foreign orders alone — totalling 56 billion dollars!

Nobody wants their cars, trucks or farm machinery, but customers are lined up for 1000 super war-planes, 150 big warships, 1,100 million-dollar tanks, and 110,000 rocket-missiles in the top brackets, made-in-USA.

When Eisenhower was president he warned the people of USA that a clique of military leaders and wealthy arms producers had formed a "Military-Industrial Complex" that was gaining exceptional powers and, in fact, was a kind of behind-the-scenes government.

Its powers combine actual military force with gigantic economic influence. Eisenhower foresaw that the "complex" would soon be able to direct the political forces of the nation... control the country.

If you think this is far-fetched, just note that today more than 25,000 large companies, who deal in turn with another 50,000 firms, have one customer—the buyers in the Pentagon.

Right at the time when Reagan was cutting billions from "social services", those Pentagon buyers (using tax payers' money) placed orders for arms and military supplies worth 83 billion. About half of that stupendous sum went to no more than two dozen companies.

These companies, entirely immune to the recession, are expanding factories round-the-clock. Most of their plants already are among the biggest in the nation. Here's why they must get bigger, faster...

- Nuclear weapons orders are up 50 percent.

— Neutron bombs alone (a new line) are in automatic production because orders are so huge.

— Gigantic inter-continental missiles (rockets) now have to be made on mass-production factory lines.

— The frightful cruise-flying-bomb requires an entirely new production center equipped with super-modern machines.

Don't overlook the fact that the output of these plants is not any "ordinary" armament, but items which individually cost tens of millions of dollars and up.

Nothing in the history of our free enterprise system has ever approached the rate of profit now being made by the Military-Industrial Complex.

The suppressed story of the Arms Boom has to be seen to be believed.

While shipyards all over Capitalism are shut down, the navy yards living off the Pentagon can't expand fast enough to satisfy their customers. The nuclear-powered craft are worth their heavy weight in gold.

Civilian plane orders are being cancelled daily, but orders for *hundreds*, even *thousands* of military craft are pouring in. The U.S. Air Force itself had to step in to modernize flow-lines for speedier output.

As for "armor" (tanks, artillery, super-trucks) the biggest tank factory in the world, in Detroit, never heard of any recession. Huge factories, kept in "moth balls", are now in mass production.

Many confidential companies, which never make it in the media, are declaring extra-extra dividends because they stock-pile "strategic materials" for the Complex.

What this adds up to will shock you.

Right now the Pentagon is planning to mobilize USA industry to spend half the nation's Gross National Product (total output of all values).

Meaning? You say it. Just remember that when the war raged in Vietnam, it cost the people not 50 percent of total wealth, but only 9 percent!

(Another NN Report on this question next month.)



# Thousands would like to meet you on this page



We welcome your views and try to print as many as possible in this very small space.

"Have you considered an 'identity pin' for NN Readers? Nothing elaborate. A pin to be worn, peculiarly NN's, like the 'Peace Corps Emblem'. To be sold to all Readers, and to be awarded to those who give outstanding service to the magazine. As other people like to show their identity pins, so would NN Readers. We could recognize one another if we met in the street. What do you think of this?" G.F.

From NN: This time we'll pass the buck to everyone. Please write to us about this, right now. When you write, tell us two things. Should such a pin have anything more on it than just

"N-N"? And what price-range would suit you best?

"I realize you could not go into medical details but I think the page on 'Salt' in food was very valuable. You may not know that this is a highly controversial subject now in nutritional circles. Most research people feel the idea of banning or lowering salt in products everybody buys is not only undesirable but harmful. However, NN should have stressed more that some 'salt sensitive' people do benefit greatly by removing the stuff from their daily food, and the only way to decide is to try going without salt for several weeks. If you feel better, stay with it. But you may feel worse!" K.F.

"Have been reading NN since it began and noticed over the years that whenever you show pictures of Soviet planes you often mistake identifying them. This proves that you people in NN don't know much about different planes. You did it again in March '82 NN. Allow me to enlighten you. Picture at top left of P-21 is the IL-86 not the IL-62. IL-62 is also shown on P-17 and P-18 March NN.

From NN: Thanks a lot for these corrections! Wish we had the others you refer to but do not give. Remember, even aviation magazines frequently have to correct typo-

graphical photo-errors.

'I just found my copy of 'The Boomerang Bomb' which NN issued. I am amazed to see how true it turned out to be. I'm sure you know all kinds of experts are trying to get Reagan to scrap this Bomb (called MX Missile), and the version he is pushing through Congress is said to be very dangerous. Too bad nobody raises NN's 'Boomerang' exposure. Is it still available?" N.E.S. Yes, Report No. 386, 65c postage paid.

Friend here is seeking information on Soviet methods of physical exercise. He trains people in this field. Do you have any books on this topic? Looking forward to a reply in the letter page of NN." J.C.

Reply: If you mean specific kinds of exercise, quite a few NN Reports are available. But no book on how to train people in the general field of exercise.

Note: Our long-time friend "J.C." doesn't want us to write him because he is imprisoned in a Carribbean penetentiary. We know all Readers would send him heartfelt greetings!

"Soup lines are getting longer every day, and the soup is getting thinner. That seems to be the way they like it. Hell, let NN rub it into them! No mention is made of the native Indians on Falkland Islands. Why not let the

inhabitants become a sovereign state and run their own caboodle? But where there is a smell of oil or other profit the big shots won't allow it." C.D.P.

"After two years of no luck yesterday a friend who has had NN's from me really thanked me and has decided to send in his own subscription. Keep at it!" L.V.C.

"Has the Soviet Union done any research on Biorhythms? I have heard of a 'Tass' article dealing with this subject related to taxi drivers." J.F.

Reply: Yes, NN has several times reported on this work. Try our Report No. 431 'How to Use Your Own Rhythm' (65 cents postage paid). But they don't put any stock in rhythms you are supposed to develop from the hour of your birth (planetary positions).

"As for Poland, I can't see how they can serve two masters and I feel that is probably the real trouble. We can't have everything in life. But profit seems to be wanted by some over there and they'll sacrifice anything to get it." N.K.C.
"You probably know what a crime-ridden

city Miami is, where I live. I've been a victim of several muggings (robberies with violence). My only bright spot is my love from my own two 'Maggies' like NN's office cat." H.S.

"You state that in 1962 Pentagon set off an H-bomb about 250 miles high over Pacific. Is that 250, 25 or 2.5 miles? 250 is very high."

Reply: In those times many bombs were set off very high (in weapons tests) in mistaken belief that radiation would not affect Earth. Such tests long ago cancelled. But 250 miles isn't high: satellites now regularly orbit at

30,000 miles and more.
"NN's January report on Poland confirms my suspicions that USA ('Western') media have not been giving us the true picture of 'Solidarity'. All boils down to another aspect of Capitalism and its lackeys trying to suppress the advances of Socialism." A.V.

"My daughter-in-law and I took the Asia and Siberia NN Tour and had six days in Moscow at the end. Incredible what Soviet Union has accomplished in Central Asia. First people in world to put into practice what Christ advocated: 'There was abundance for all and as the lillies of the field they would be clothed." N.M.S.

'Suggest printing a Report in which people who have visited Russia tell their own experiences and how they feel about Russians. The way the people live, etc. Excellent to hand to sceptics. So much opposition to atomic power, why are Russians so sold on it? Enjoy NN." E.S.

Reply: Report you want is No. 973 "Our Opinions", 65c postpaid. Also see "Nuclear Power or Death", No. 375, \$1.00 postpaid.

'Sure look forward to NN. Always pass on my copy to others. Have been helping my two sons: one recently got work again but other is still unemployed. They really feel it, after working for years." I.W.M.

"Very heartening to read that here and there different countries are supporting the socialist cause. Nice to know that France and Greece are not kow-towing to USA imperialists." J.A.

"With over 200 people dead in the winter cold last year the Reagan government cuts funds that were supposed to help the elderly poor pay their heating bills. Am sending you a copy of a letter I sent to Mr. Reagan, attacking Mr. Haig's statement that 'There is something more important than peace.' Nothing is

more important than peace!" G.B. "NN needs to sharpen its sensitivities to topics and illustrations dealing with people of color. Page 19 of January '82 will certainly offend people of color. Use of terms like 'a black shadow' should be avoided - all references to black are negative, get the implication? We here in USA Civil Rights have gone through all this." C.S.R.

From NN: Our cartoon (Jan. '82) was taken from mass-circulation Soviet paper; white man in it was also portrayed humorously. Soviet view is that you can't offer cartoons only of whites . . . that is indeed racist! As for 'black shadow', surely you aren't serious? What about 'dark clouds'? It is our opinion that anti-racist movement now is more mature than when such issues were raised. What do our black Readers say?

After reading NN's report on Poland I thought you'd like to see this newspaper story on the plight of a Pole who came to USA. It tells how he was in danger of losing his house because of excessive taxation. To lower his taxes he smashed up the beautiful stone patio he had built with so much labor. They cut his taxes for one year, then had to raise them to \$2,430 this year. 'I can live without a patio,' he said, 'but I can't live without food and clothing for my wife and children.' He is a tool maker and expects to be laid off now." J.F.H.

What do you think of the idea of having NN organize Readers' Clubs in cities and towns where at least two subscribers live? NN would run a story, informing Readers. They would have to tell you if they want to join such a club. Then you could send them names and addresses of all others who wish to join. This would cost money, so you would have to ask Readers to contribute." L.E.K.

From NN: It would not only cost money but require time. However, if enough Readers respond to this, we'll report on it in a coming issue, giving the facts.

## Summertime news looks good to them

These "news clips" from press in USSR deserve full-page reports...but no space!

NEW RESEARCH IN LATVIA confirms that magnetic field can cure some diseases. Neuro-Vascular Centre doctors are using magnets to normalize blood-circulation in brain, after strokes. Still in research stage.

CHILDREN IN SOCIALISM aren't becoming addicted to TV. Partly because of much less program time than over here. Also, Soviet children's movies are booming. World's only "children's Hollywood" in Moscow (2500 people making 20 major films per year) is mainly responsible. Country now has 420 movie theatres for children. In 1981 they sold 900 million tickets! Very low prices. A hit movie for kids will draw 20 million viewers. With no crime, violence or sex to "attract" them.

TALLINN'S BIG SEAPORT, on Baltic, will be dwarfed by new one to handle largest ships ever in that sea. Needed to meet demands of booming Soviet trade.

"HOCKEY ENGINEER" DAVYDOV has built research rink. Interlaced with magnetic cables in ice. Every movement of each player is followed by tiny micro-transmitter he carries on leg. Thus coach has instant facts about speeds, moves, etc. Of course, not for competition games.

NEWEST SOVIET HELICOPTER, the MI-26, is also largest in world. Lifts 20 tons. Can fly 800 kilometres (480 miles) at 300 kph. Powered by two Lotarev gas-turbine engines. Rotor has 8 blades, each 48 feet long! Many long blades sharply reduce noise, vibration. Can carry two big trucks inside it. Has own electric winches and other devices for loading-unloading anywhere.

DOG "BLACKIE" AT YEREVAN ZOO is most valuable animal, since she nurses newborn animals rejected by mothers. Blackie's latest orphan is Sevuk, a rare striped hyena. She has also nursed wolf cubs, a lion, panther and orangoutan, along with her own puppies. All the young animals get along well together.

NEW KINDS OF VISCOSE FIBERS, for textile, are popular world-wide. Together USA, Canada, Britain and Italy produce 90,000 tons a year. New Soviet plant in Krasnoyarsk will have output of 130,000 tons. This viscose "breathes" like cotton, is soft and elastic, retains color, is much stronger than other synthetics. Soviet chemists are first in world to get viscose production line up to 250 tons per day. This plant is already being expanded for 130,000 tons per year output.

NEW WEATHER FORECASTING DISCOVERY made by Soviet researcher Dr. Irina Borzenkova. Studying Sahara Desert climate records for 40,000 years, she finds that when Sahara "grows" (very dry periods) weather in Europe turns colder. Really hot years came when Sahara all but disappeared (rains). Entire Northern Hemisphere of world is linked to Sahara's condition, which usually changes in five-year cycles.

THE LINZ-KORNNEUBURG SHIPYARD in Austria, unlike major yards in West, isn't closed down. Has orders for years to come. Building passengers ships, freighters, barges and dredges for Soviet Union's busy fleet.

SOVIET LANGUAGE EXPERT, Ali Mamedov, after long years of research, has devised a radically different "universal language". Based on fact that the world's 2500 tongues have limited number of sounds. Mamedov's phonetic language has only 10 simple letters! Said to be easily learned by anyone.

ON BANKS OF YENESEI RIVER in Siberia scientists have discovered drawings, on stones, 40,000 years old. Two mysteries. Drawings are so fine they could be made only with diamonds. And many features of these pictures are like those in ancient Peruvian stone figures.

THERE'S GOLD IN THAT SEA WATER, as chemists have long known. Problem was to devise economical way to extract extremely small quantities. Now a big floating "gold mine" is out in the Black Sea. In addition to gold it will extract uranium, silver and other valuable metals. Very novel feature is that power for the "mine" will come from the energy in the rise and fall of Black Sea tides.

AT LEAST 238 DIFFERENT TASTY FOODS are now prepared in the Byelorussian Republic, from potatoes. Mainly because people there grow more potatoes than anything else. They've developed 13 highly productive new varieties. Average farms get 1700 pounds per acre, and many of best farms double or triple that yield. No mystery why Soviet nutritionists push the potato: it contains far more food components, per pound, than any other farm crop.

SEX EDUCATION HAS ENTERED SOVIET SCHOOLS, after lengthy debate. Main reason for introducing new subject is fact that Soviet boys and girls are not only growing faster than any earlier generation, but are also maturing sexually when still young. Formerly, their teachers covered only "human physiology", and all its implications. Will require some time, since all teachers will have to master the courses themselves.

GIGANTIC NUCLEAR POWER PLANT is being built jointly by Hungary, Poland, Czechoslovakia and USSR, on banks of Goryn River in Ukraine (near Khmelnitski). So big it requires a "cooling lake" 8 square miles in area, and they'll start filling that soon, so it will be ready when plant starts. However, this tremendous (4,000,000 KW) power station is a twin for one Socialism is now finishing in Nikilayev Region (Ukraine). Plants will share their output to meet needs of partners.

SOVIET WOODS NOW HAVE A MILLION MOOSE in them, as protective measures take effect. Properly called elk, they now thrive in all climate zones of USSR. Elk are easy to "farm" (no shelters needed). Meat is good. Milk is excellent: rich in nutrients and micro-elements. To surprise of Soviet dairy farmers, moose like to be milked by machine, and will learn to gather at definite milking times.

SAVED FROM THE WRECKERS, a very old building in Tashkent is now being renovated as a hall for organ recitals at State Conservatoire. City Soviet (Council) members were checking the place when they noted that the empty ruin had wonderful acoustic properties. Architects agreed. So reconstruction is underway and an organ has been ordered.

FAMOUS FYODOROV EYE TREATMENT, which cures people of nearsightedness (myopia) with a simple operation, has now been given successfully to 5,000 patients in Moscow alone. No count is available from other countries, but Dr. Fyodorov's operation is used now almost everywhere. Tiny incisions in the eyeball change its shape, and normal vision results almost immediately.

SOCIALISM HAS REVOLUTIONIZED COSMETICS, as the world industry now recognizes. Soviet perfume output now exceeds 600 million bottles yearly, with a choice of no less than 700 scents. Prices have always been kept low (even when output could not meet demand) and today the average store price is around \$5 per bottle.

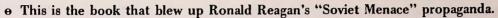
THE EVER-BOOMING SOVIET HOUSING INDUSTRY was able to relieve one problem a little last year, by introducing new machinery that eliminated 70,000 construction jobs. However, the men and women involved immediately transferred to other housing projects which had been held up because of chronic lack of workers. While West counts tens of millions of jobless, Soviet Union has "stabilized" its problem with a permanent shortage of two million workers.

WORLD'S ONLY WORKING EAGLE has a job at the Kirov Poultry Farm in Vologda region. Ten years ago the lost baby eagle was looked after and named Yashka. He soon grew to a fearsome size. Fortunately, he liked the place, so he started clearing out the crows, jackdaws and other birds that preyed on hens and chicks. For himself, he eats only what people set out for him. He's scary for strangers, with his wings 3-feet long. But he likes being stroked and talked to.

HALF OF ALL TODAY'S FORESTS IN UKRAINE were planted by people. Mainly along valuable rivers. This spring alone, Ukrainians will sow new trees on a huge area: 120,000 acres.

# This History-Making Report

# Now Available



- e Issued by the Military Publishing House, USSR Ministry of Defense.
  - Packed with documented facts supported by many vivid illustrations.
     Large book, excellently written, many official color photographs.

ACCURATE COMPARISONS OF USA-USSR ARMS OF EVERY VARIETY.

# puts information you need at your fingertips

WHENCE
THE THREAT
TO PEACE

With the FACTS, FIGURES and PHOTOS in this book you can show others why "the Soviet Menace" was built out of total untruths.

Book is well worth its \$5.00 price. WHILE THEY LAST you can get your copy for \$4.00. But send us A NEW SUBSCRIPTION to 'NN' and you can have this book for ONLY \$2.00, a saving of \$3 CASH. HURRY your order if you want this one.

# YOU SAVE \$3.00

TO: NORTHERN NEIGHBORS Ltd.

BOX 1000 - Gravenhurst - Ontario - Canada - POC 1G0

ADDRESS.

N O! I want to SAVE ANOTHER \$2.00, so I'm send this NEW 10-MONTHS SUB to 'NN' (price \$6.00) which gets me the BOOK for ONLY \$2.00, and I ENCLOSE FOR BOTH SUB and BOOK \$8.00.....

YOU
read it..
YOU
enjoy it..
Why
not
give it?

## We make money go a long way in the world



Please send me the items I have checked below, as advertised in this and recent issues of 'NN':



#### NORTHERN BOOK HOUSE

Division of Norfacts Ltd

Box 1000 - Gravenhurst - Ontario - Canada POC 1G0

HISTORY-MAKING BOOK NOW AVAILABLE, prepared by USSR MINISTRY OF DEFENSE, in answer to President Reagan's charges that USA is "behind" USSR in military preparedness. WHILE STOCK LASTS, you can have your copy of this book at a CASH SAVING OF EITHER \$1 OR \$3.00. For details see PAGE 25. Please use Coupon on that Page. Check here if you prefer..... "POTATOES: ECONOMICAL NUTRITION" - As advertised on Page-17. Single copy 85é..... 3-for-\$2..... Postage free. FINAL CALL for 1982 NN-USSR TOURS! Briefly listed on Page-17. If you want FULL DETAILS check here..... "OVERCOMING DEPRESSION" - No.434 - \$1.75..... 2 for \$3.00..... "HOW TO STRENGTHEN YOUR NERVOUS SYSTEM" - No.896 - 854..... 3-for-\$2..... "HOW TO OVERCOME UNPLEASANT MOODS" - No. 895 - 85¢..... "HOW TO PRODUCE AND MAINTAIN HAPPINESS" - No. 745 - 85¢..... 3-for-\$2..... BARGAINS: ONE copy of all 4 above, Price \$4.30, for only \$3.00..... THREE copies of all 4 (12 in all) Price \$12.90 - only \$10.00..... "NN's EXCLUSIVE GREETING-AND-NOTE CARDS" - Described on Page-18 - Check Cards you want: "DOVES of PEACE" ..... "SOCIALIST GREETINGS!"..... "PEACE UNTO OUR PLANET EARTH!" ..... Sets of 10 for \$2.65, envelopes included, postage free. Check here number of Sets..... 100 Cards (no envelopes) for \$16.00, postage free..... "KARL MARX" - No.576 - \$3.85 , TAKE OFF 85c..... "YOUNG GUARD" (2 vols) - No. 580-1 - \$8.80, TAKE OFF \$1.95..... "CYBERNETICS A-to-Z" - No. 585 - \$3.20, TAKE OFF 556..... "WONDROUS SHIPS" - No. 610 - \$2.45, TAKE OFF 506..... "POWERHOUSE of the ATOM" - No. 591 - \$4.90, TAKE OFF \$1.00.....
"CHANGING FACE of EARTH" - NO. 609 - \$4.65, TAKE OFF 90€..... "COUNCIL 1868-71" - №.616-621 - \$7.85, TAKE OFF \$2..... PEOPLES OF THE NORTH" - No.630 - \$3.85, TAKE OFF 85€..... "ECONOMIC CYCLE" - No. 640 - \$4.80, TAKE OFF 95€..... "SUN'S STOREHOUSE" - No. 633 - \$3.20, TAKE OFF 70¢..... TO ORDER your copies of SPECIALLY LISTED REPORTS, on PAGE-28, simply CHECK REPORT NUMBERS listed below: 794.... 726.... 797..... 438..... 792..... 452..... 784..... 731..... 733..... 732..... 787..... 741..... 788..... 799..... 791..... 790..... 731..... 756..... 723..... 741..... 714.... **758..... 737..... 766..... 738..... 715..... 765..... 795..... 720.....** 770..... 755..... 759..... 718..... 711..... 757..... 152..... 884..... 875..... 860..... 881..... 878..... 914..... PRICES: Single Reports are 65 cents each, FIRST CLASS MAIL postage paid. Any TEN Reports (First Class) \$5.00. Any TWENTY Reports (First Class) \$8.00. ALL 51 REPORTS ABOVE for ONLY \$15.00 First Class Postage Paid. SIXTH "LISTING OF NAMES", The Charlotte Carter Memorial Fund, just printed - \$1.00 per copy..... "FREEDOM'S CANCER" - What unemployment is doing to people in our 'free' system - No.385 - 75¢ postage free..... "THE BOOMERANG BOMB" - This is the weapon that's becoming so troublesome to Reagan - No. 386 · 30¢ + 45¢ mailing = 75¢.....
"MY WAY TO STAY YOUNG" - No. 432 - 75¢ postage free..... "LIVING HEALTHIER LONGER" - No. 305 · 75¢ postage free..... IF YOU LIKED this issue of 'NN', send it to others! We'll supply you with 5 copies for only \$2.00 postage free.....

|   | NORTHERN BOOK HOUSE SUBSCRIPTION SERVICE - USSR Periodicals in English & Other Languages                                                                          |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | All mailed to you directly from Soviet Union. All prices Postage-paid. Only ONE Year Subs accepted.                                                               |
|   | "SPUTNIK" — It's the most! Soviet "digest" magazine. Year \$12. In 5 languages, you can use it to learn others. English French Spanish German Russian             |
|   | "NEW TIMES" — weekly, current-events, \$12 year. English French Spanish German                                                                                    |
| 5 | "SPORT IN THE USSR" — Monthly, \$12 year. English French Spanish German  "SOVIET LITERATURE" — Novels, stories, poems, articles. Year \$15. English French German |
|   | "SOVIET FILM" — Inspiring, entertaining. Year \$10. English French Spanish German "SOVIET WOMAN" — News, illustrated. Year \$9. English French Spanish German     |
| 部 | "TRAVEL to the USSR" — 6 times yearly. Year \$10. English French German  "INTERNATIONAL AFFAIRS" — Analysis of world events. Year \$15. English French            |
| 별 | "CULTURE & LIFE" — World-circulation monthly. Year \$10. English French German Spanish "MOSCOW NEWS" — Current, airmail, very popular. Year \$12. English French  |
| 耍 | "NEWS FROM UKRAINE" — Airmail, weekly. Year \$10. From Kiev. In English only<br>"FAR EASTERN AFFAIRS" — Quarterly, in-depth studies. Year \$15. English French    |
|   | "SOVIET MILITARY REVIEW" — All armed forces. Year \$20. English French Spanish French Spanish                                                                     |
|   | "SOCIALISM, THEORY & PRACTICE" — Year \$10. English French Spanish German  "SCIENCE in the USSR" — Six per year at \$20. Semi-technical. English                  |
|   | "FOREIGN TRADE" — Covers world. Yearly \$30. English Russian "BOOKS & ARTS IN USSR" — Four per year at \$20. English French                                       |
|   | "ASIA & AFRICA TODAY"—In-depth. Six per year at \$10. English                                                                                                     |
|   | "SOVIET UNION — monthly, illustrated, year 510. English French                                                                                                    |

WE THANK YOU FOR SHOPPING AT NORTHERN BOOK HOUSE!

| N A M E                                                                  | TOTAL PRICE of all                                    |
|--------------------------------------------------------------------------|-------------------------------------------------------|
|                                                                          | I have checked above:                                 |
| ADDRESS                                                                  | Payment is ENCLOSED:                                  |
| (NOTE: If you wish to 'make an investment in the Future' by helping 'NN' | NO, BILL ME with Shipment (I'm a Subscriber to 'NN'): |

# You Save CASH

This is the man whose discoveries about Capitalism laid the basis for ending that system. Genius. "KARL MARX" — No. 576
Price \$3.85 postage paid

You take 85 CENTS OFF

Most famous story ever written about youth in war. Complete in TWO volumes and you get BOTH. "YOUNG GUARD" — No. 580-581 Price \$8.80 postage paid

You \$1.95 OFF

If you're going to make it or even understand it, tomorrow's world demands that you grasp this. "CYBERNETICS A-to-Z" — No. 585 Price \$3.20 postage paid

You take 55 CENTS OFF

Most unusual, beautiful book on greatest ships of all time, but we have very few copies. "WONDROUS SHIPS" — No. 610 Price \$2.45 postage paid

You take 50 CENTS OFF

Many talk about it but few know.
This is your course of essential know-how into basic subject.
"POWERHOUSE of the ATOM" — No. 591
Price \$4.90 postage paid

You ONE DOLLAR OFF

Creation goes on around us every day as our planet copes with mighty forces of Nature and Man. "CHANGING FACE of EARTH" — No. 609 Price \$4.65 postage paid

You take 90 CENTS OFF

Most fascinating history ever, back in days of revolutionary movement of Marx, his First International, in TWO volumes. "COUNCIL 1868-1871" — No. 616-621 Price (both) \$7.85 postage paid

You TWO DOLLARS OFF

This uplifts the heart when you recall how our Native Peoples live. Socialism-in-Action for sure! "PEOPLES of NORTH" — No. 630 Price \$3.85 postage paid

You take 85 CENTS OFF

See where you stand right inside Boom-and Bust with this thorough study of Capitalism's sickness. "ECONOMIC CYCLE" No. 640 Price \$4.80 postage paid

You take 95 CENTS OFF

Rich in facts for all who admire our Sun and want to live in a world that really goes "solar". "SUN'S STOREHOUSE" — No. 633 Price \$3.20 postage paid

You take 70 CENTS OFF



# All you'll get from reading these reports is-HEALTH



People have bought over 900,000 of our Reports in past 30 years

No mystery. Readers recommended them to others, and they keep coming back for more, for friends. Because these exclusive Health Methods really work.
All from medical scientists of USSR, in Socialism, where Medical System is publicly owned. No profits. Most methods cost nothing to use. See for yourself.

"Honey as a Way to Healthful Long Life" — One of most popular health systems used in USSR. Many treatments, full details. 729 "They Take Flourine OUT in USSR" — Newest angle on most controversial health topic, far from being settled here. 709 "Weekly Weight-Loss System" — Millions use this as easiest, most effective way to reduce scientifically. Nothing to buy. 798 "Your Health and Salt" — Get marked health improvements quickly. Very simple for all ages to use. And it costs nothing. 792

"Causes & Treatment of Frigidity" — Frank discussion of serious woman's problem. What they do for it in Soviet Union. 741 "Venereal Disease, The Pill, Abortions" — This is different, provides valuable new facts on some of our serious problems. 799 "New Health Menace: TV & Radio" — Biologists reveal dangers unknown before, and give valuable preventive advice. 791 "Royal Queen Bee Jelly" — Doctors here scorn this but in USSR it's approved. This tells you why, shows how they use it. 790

"How To Keep Clear Of Doctors" - This is by doctors! Astonishing results can come using methods you can apply at home. 795 "A Painless Way To Lose Weight" - Instead of dangerous drugs and extreme diets, USSR system is simple and really pleasant. "Toughening Children To Prevent Illness" -These methods explain why so many children in USSR enjoy remarkable health. 770 "Cosmetics & Care Of Skin" - Non-profit research has excellent low-cost advice to offer, effective for people of all ages. "Internal Exercises" -- Unusual motions, all fully illustrated, which you can easily do with no equipment and marked benefits. "Tvorog" - This is famed health food eaten daily by millions in USSR. Here's how to make it yourself. Variations, recipes. 780 "New Discovery About Vitamin C" - They get splendid results by prescribing large doses of lowest-priced vitamin of all. 724 "Vitamins And Blood Pressure" - More Soviet treatments using Vitamins C, B, A, E, as worked out by a leading specialist. 725 "You Can Starve For Sunshine" - Doctors in USSR have firm views on need to take sunbaths, and how this should be done.718

Many health problems people have in USSR are the same as ours. But it's how they solve them that's different. In most cases, you need buy nothing.

"Eat 5 Times A Day" - and still keep your weight down, or lower it. If you've tried all systems, give this one a chance. "Mushrooms As Medicines" - Delicious foods can be highly beneficial, Soviet specialists say, with scientific facts to prove it. 794 "Vitamin C" - Report that tells why they do not agree with USA doctors. Great benefits they get from cheapest vitamin. 726 "Brain Strokes" — Why they're optimistic about victims of such attacks. Care they recommend, their ways to avoid strokes. 797 "Gastritis: Everyday Stomach Disorder" Foods, treatment methods prescribed in USSR today. Very practical details. - Seems simple, but by keeping watch on it you can prevent many health troubles. Thirst can be used as a warning too.
"Death Will Be Cured!" — Outlines a most

"Death Will Be Cured!" — Outlines a most challenging, inspiring line of medical advance, developing now in USSR. 731 "Vitamins, Main Way to Treat Old Age" — Used by millions, on recommendation of top specialists, they say that it really works. 721

"Now You Can Add Years to Your Life" — Their 6-Point Program is practical, uses no drugs, challenges long-accepted ideas. 788 "Change Of Life In Men" — Still not accepted by most doctors here. Studies in USSR point way to avoid troubles. 756 "Human Beings Will Live Forever!" — One of greatest forecasts ever made by scientist, and he's world-famed biologist. 723

Even if you have tried 'everthing under the sun' for your health problems, these Reports may be exactly what you need to feel much better.

"Mental Disease Cured by Fasting" — ancient treatment now being used scientifically in clinics of the Soviet Union. 714

"Constipation" — this lifelong problem of millions can be permanently ended by using simple methods prescribed in USSR. 758

"The Long Life Bath" — famous treatment of Dr. Lepeshinskaya, used by millions, is easy, economical and pleasant to take. 737 "Prostate Trouble" — Their medical views are optimistic, and they back them up with treatments they find very effective. 711 "Sensible Eating Is Safest System" — Young and old can make valuable use of newest recommendations detailed here. 757

"Keeping Young By Eating Right" — One of most valuable and practical systems ever. From famous Soviet nutritionist. 152 "Onions" — It's possible that you may be

missing out on one of the very finest health foods. Surprising new research facts. 844
"New Natural Super-Food, Belip" — Millinos have tried it in USSR. Here's how to make this delicious low-cost main dish. 875
"Sputnik Vitamin-P" Our experts say it does not exist, but see the results it brings to millions in Soviet Union.

"Mushrooms Are Tops For Nutrition"
Your way to better health. Latest findings about tasty natural dishes described here. 881
"Why Marihuana Is Deadly" — Reasons known for centuries in the East show why drug is strongly condemned in USSR. 878
"If You Want To Save Your Heart" In the official view of Soviet medicine these are the only known ways to avoid heart failure. 914

Note wide selection of health topics you can choose. You know people who could benefit from some. As you order more, price (and mailing) lowers.

"Noise: New Health Menace" — Even if you can't stop it, you should know what it does to you, to avoid worst effects. 731
"Weather and Health, Life, Death" — Newest surprising discoveries show how to avoid dangers, save lives, improve health. 733
"How Exercise Might Save Your Life" — These basic Soviet findings could set you on road to vigorous enjoyable living. 732
"Self-Massage For Health" — This is practical system for using massage yourself, at no cost, to get striking health improvements. 787

"Common Herbs For Everyday Ills" — Why their specialists prescribe herbs. Their views on which are best for specific problems. 766 "About Diabetes" — Main ways of treatment in USSR relate to diet, not drugs, but here you get practical eating systems. 738 "What Doctors Say About Abortions" — Not same in USSR as here. Their emphatic views are worth careful consideration. 715 "Homosexuals And the System" — Attitude in Socialism towards a question that is of great moral-health significance over here. 765