achievements being honoured. A few days later, on November 16, he was again featured in Pravda, in an extensive interview on the success of the recent Venera 9 and 10 probes.

Neither of the articles is in any way out of context. Keldysh is still Chairman of the Lenin and State Prize Committee for Science and Technology, and was closely involved with the Soviet space programme in its early days. Nevertheless, those who suspected some connection between Keldysh's retirement and the postponement of the Academy's Jubilee Celebrations from May 1974 to October 1975 will doubtless find something more than fortuitous in his sudden reappearance in print so soon after the conclusion of the celebrations.

One interesting feature of this year's State Prize lists is the emphasis given not only to basic research and applied technology, but also to the production of text books. Although in the past Lenin or State Prizes have been surgery, and radio receivers.

The Soviet academic system makes received carried out only in special institutes, certain aspects Although a research scientist will reactions. frequently hold more than one post,

sidelight on the growing concern of absentia. secondary education.

 Following the recent

THE former President of the Soviet the Soviet government would not per- concern for human rights and freedom Academy of Sciences, Mstislav V. mit him to travel to Oslo to receive dates back to Stalin's time, when the Keldysh, who retired from his post the Nobel Peace Prize came as no need for a nuclear arsenal allowed earlier this year on the grounds of surprise. Nevertheless, the reason physicists to speak from a relatively ill-health, seems to have made a given—that he is in possession of privileged position and to avert a recovery, judging from recent articles classified information—demands some Lysenko-style disaster in the physical in the Soviet press. On November 8, scrutiny. It is more than seven years sciences. the day following the announcement since Sakharov lost his security closely associated with Academician of this year's State Prizes, it was he, clearance, which raises the question of Sakharov, whose "Human Rights and not his successor Academician whether any information to which he Group" he joined as a founder mem-

Soviet scene

from Vera Rich, London



Moreover, in 1958, the year that awarded to authors in connection with Boris Pasternak decided to decline the a specific scientific monograph, this Nobel Prize for Literature after a proyear three works intended for students' longed press campaign against him, -to fit the demands of the terrain. A use have been specifically honoured, the award of the Physics Prize to six-legged robot is likely to prove the They represent a broad spectrum: Cherenkov, Frank and Tamm was most manoeuvrable. ordinary differential equations, general hailed as a notable tribute to Soviet science, the necessary visas for a sharp division between pedagogic Stockholm. This was in spite of the and research activities—the universi- potentially sensitive nature of their dustry in Latvia. According to the ties confine themselves entirely to work: Tamm and Sakharov had Novosti agency, this system, based on teaching, while original research is actually been working together on a Minsk 22 computer, is intended to of

The Soviet authorities apparently combining research at an appropriate find Sakharov's prize an embarrass- actual performance against planned institute with university lectures, his ment, and for reasons of policy would deadline dates, and acts as a progress main chance of official recognition in prefer that he should not receive the chaser by sending telex messages to the State and Lenin Prize lists has award in person. If the precedent is remind managers of their obligations. until now been through his research. followed in the future, however, a At the end of the month, it evaluates This new emphasis on the import- Soviet winner of the Physics Prize the manager's place in the hierarchy ance of text books is an interesting might well be forced to receive it in of professional "emulation" and ad-

Soviet educationalists who want works • Increased concern is being felt for the of "a high scientific and method- fate of Andrei N. Tverdokhlebov, the staff of five, is said to repay the inological level" at their disposal for use physicist who was arrested on April 18 vestment costs within a year by in universities and colleges of special in connection with his attempts to reducing inter-office correspondence establish a Moscow group of Amnesty by some 50%, as well as improve press International, and who is now being labour discipline. Its adoption has been campaign against Academician Andrei held in the Lefortovo prison in recommended for all radio-engineering D. Sakharov, the announcement that Moscow. The link between physics and enterprises in the USSR.

Tverdokhlebov has been Vladimir A. Kotel'nikov, who gave previously had access is still on the ber, and also with Valentin Turchin, the traditional appreciation of the secret list. who was a co-signatory of the second Sakharov manifesto of 1970. An appeal by Turchin on behalf of Tverdokhlebov has been sent to the West. According to press agency reports, Tverdokhlebov and another member of the Amnesty group, the Ukrainian science-fiction writer Mykola Rudenko, will be charged with "anti-Soviet slander", but it is not yet clear whether formal charges have been made.

 Two significant developments in the field of automation have been announced recently in the Latvian SSR. The first, described at the First All Union Conference on Biomechanics in Riga, is a proposed walking robot for rough terrain. Although this has been mooted several times in the last few years, the new version, designed on the basis of extensive mathematical simulation, seems to have been produced with far greater attention to practical implementation than some of the rather theoretical proposals so far discussed. The latest ideas include lasers as a possible means of stimulating vision, and the automatic selection of the form of motion -velocity, length and height of steps

The second and perhaps more and the three winners alarming development concerns the management-control automation system recently introduced into the radio inthermonuclear assess the competence of production managers.

> Among other things, it checks their justs his pay accordingly.

> The system, which operates with a