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The data on the results of geographical analysis of lichenoflora of pine forest groups are given in the article. Lichens flora of the norway spruce forests of Belarus represents a complicated heterogeneous complex of different geographical lichens groups. The leading element on a number of species in region lichenoflora is boreal element, including 119 species. Lichens flora of the norway spruce forests of Belarus represents a complicated heterogeneous complex of different geographical lichens groups. 6 geographical elements in the investigated flora were distinguished. Lichens flora of the spruce forests of Belarus can be characterized as boreal-nemoral with extent of multizonal, montanous, hypoarctomontanous and suboceanic species. There were distinguished 6 aerologic groups in the regional flora of the lichens: (*Bryoria mirabilis* (Motyka) Bystrek, *Caloplaca luteoalba* (Turner) Th. Fr., *C. pyracea* (Ach.) Th. Fr., *Cladonia norvegica* Tonsberg & Holien, *Peltigera extenuata* (Vain.) Lojka, *P. hymenina* (Ach.) Delise in Duby).

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The results of therapeutic effectiveness Pharmaspectin in treating piglets (which are taken away from a sow) sick with gastroenteritis using Pharmaspectin are given in the article. The term of recovery is 3,4 days and an average daily gain of body-weight is 0,258 kg. These results don't differ from other results when «Interspectin-L». Farmaspectin promotes metabolism. This is proved by rehabilitation of haemological and biochemical blood indices of piglets.

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*Summary*

Myopia is occurred more often among boys among girls. Amongst boy shortsightedness meets more often, than amongst. This is caused by which demands computerization of our lives, essential role in development of the fatigue plays the nature and contents computer occupation. The most exhausting computer games speed of reaction, are popular among boys. Boys suffering with myopia are 1% more than girls in senior classes. According to the questionnaire 15% boy and 27% of girls have parents who suffer with sight pathology.

**Valetov V.V., Prikhodko N.N. Prospects for the use of coastal aquatic vegetation of Mozyr district** ..... 21

*Summary*

The results of the study of coastal aquatic plants. We present promising directions for their use in economic activity. Water and coastal plants are one of the major components of water ecosystems. Together with a phytoplankton they participate in a trophic cycle, providing production of various links of a food chain. Plants of reservoirs serve as food for animals of the most different regular position: mollusks, crustacean, insects, fishes, birds and mammals.

<b>Goncharenko G.G., Lysenko A.N., Katokhin A.V. DNA diagnosis of <i>Opisthorchis felineus</i> by ITS2-sequences in intermediate hosts - <i>Bithynia tentaculata</i> scale</b> .....	30
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*Summary*

We developed and approved technologies of species-specific DNA diagnostics for detection opisthorchiids in snails – bithynias the river reservoirs of Gomel region as a result of our researches. It was established, that optimum methods extraction genomic DNA *O. felineus* are: a phenol extraction method and using of ionic-exchange pitch. Was chose primers for amplification ITS2 spacer, allowing to spend specific identification opisthorchiids. PCR-analysis parametres, allowing to receive amplification products of ITS2 for species-specific identification opisthorchiids in tissue of the intermediate owner – a snail – bithynia were defined. It was shown, that the developed DNA-technologies allow to estimate degree of contaminations bithynias *O. felineus*.

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*Summary*

At the present day there is no definite and unambiguous opinion on diversity of the radionuclide forms occurred in organogenic and mineral soils. The relation between individual forms of occurrence of radionuclides is regulated by a particular type of soil (agrochemical characteristics, qualitative composition), genetic profile structure, agrometeorological conditions, plant species, season of the year, and other natural factors, as well as on the applied experimental technique. Several soil extraction methods have been recommended, including the standard practice of F. I. Pavlotskaya.

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*Summary*

The comparative analysis of the sexual dimorphism of the thornback *Gasterosteus aculeatus* from different river basins of Belarus is presented (total 10 fish samples). 10 meristic and 21 morphometric characteristics were analysed. Significant difference between the males and females in 7 morphometric characteristics was revealed.

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*Summary*

It is reported that two types of *Ixodes* ticks – *Ixodes ricinus* (Linnaeus, 1758) and *Dermacentor reticulatus* (Fabricius, 1794) – are inhabiting various landscape and recreational areas in Minsk. It is established that *Ixodes ricinus* (92,9%) is dominating in the city. In the result of variability study of mitochondrial genome in the genus of analyzed *Ixodes* ticks, hybrids were not found. *Apodemus flavicollis* and *Myodes glareolus* are the main hosts of ixodid nymphal and larval stages on the studied areas. The highest rate of ticks infected with *Borrelia* (26%) was observed in the woodlands of low recreational load (25–30 persons / he).

## PEDAGOGICAL SCIENCES

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*Summary*

The imperfection of control technologies of the quality of the physical culture instructions stipulates, to a considerable extent, problems of the students' physical culture formation. The research, hold at the pedagogical

university, has shown the effectiveness of the modularizing technology of Physical Culture instructions. The applied pedagogical technology takes into account the requirements of the Standard Educational Program in this discipline for the universities of the Republic of Belarus, expands the set of components of the educational environment, and allows revealing the quantitative characteristics of the success and the common level of students' competence. The regulations on which the system of management of quality of the university education in Physical Culture can be based on have been given.

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*Summary*

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*Summary*

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*Summary*

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*Summary*

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*Summary*

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## PHYLOLOGICAL SCIENCES

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*Summary*

Direct communication creates the conditions for the beginning of new language units, which are prevalent among students and senior pupils. Some of these units have already been written in the collections. Creative attitude of native speakers in everyday speech creates innumerable variety of options for the well-known expression, its amendments, interpretations. Paramiological units are used in various typical situations of communication, express different meanings. On the material we received, we have the following groups of the paramiological units: proverbs, sayings, aphoristic units, situational conversational unit (standard remarks in typical situations). Of course, in modern language paramiological units form the basis of lexical foundation of Russian native speakers and can serve as a starting point for the research of verbal portrait of the students and senior pupils of Vitebsk.

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*Summary*

The first attempt of a comprehensive analysis of names of people according to the feature of their territorial affiliation through the comparison of Belarusian and English derivatives is being made. The structural peculiarities alongside with semantical peculiarities of nouns naming people are described in the article. Functional equivalents among affixes of derivatives naming people according to the feature of their territorial affiliation are burning issues of the research. The contrastive analysis undertaken revealed structural equivalents among nouns naming people in the Belarusian and the English languages, their distribution into lexical and semantical groups and semantical equivalents in the languages under consideration. Names of people according to the feature of their territorial affiliation, comparative analysis, affix, motivating derivational base, word-building pattern, the doer of an action, the noun, lexical and semantical groups, structural equivalents, functional equivalents, derivation, lexical lacunas, structural lacunas, suffixation.

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*Summary*

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*Summary*

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