

Application of computer technologies in myrmecology

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The introduction in various orbs of human activity of computer technologies has caused various modifications and has opened new edges. Not eliminations and biological sciences, in particular myrmecology (science about ants). About influence of new technologies in this science also there will be a speech.

As is known many biologists use digital engineering (digital cameras), which much more have facilitated life to the modern scientist, on a comparison with film cameras digital engineering, is more convenient and does not require the large costs. With the help of it can be received enough fast qualitative image, for example that ant, and here to treat it for in graphic editor Adobe Photoshop, to send on E-mail, to locate on site in INTERNET, to include multimedia presentation (which now of steel are very much widespread among the scientist of all world). Among the entomologist, and also myrmecologists deriving an image of an ant, in our case of an ant with the help of scanner has become new.

The apart from it for the entomologist and myrmecologists is developed a set of computer programs facilitating work:

1. Labels 2.1 beta version - program for creation of biological labels;
2. OrthopteraDB and Mantis - the programs which can be taken for a basis for creation of the basis on a biology, ecology, fauna of ants of the region.
3. Formis 2003 - electronic version of the famous bibliography about insects about 32000 references to the literature.

It is necessary also to mark and influence of a web INTERNET to process of development of a biology. On a present moment in INTERNET the large basis of a material about insects is assembled. Both on foreign and on russian pages. An example such sites are:

FOREIGN SITES:

Myrmecology - The Scientific Study of Ants - <http://www.myrmecology.org/>

FORMIS Ant Bibliography – <http://cmave.usda.ufl.edu/~fonnis/>

RUSSIAN SITES:

School, ants and company - <http://lasius.narod.ru/>

ANTS - <http://myrmecology.narod.ru/>

The apart from it of INTERNET opens new possibilities of dialogue with the colleagues on means ICQ and E-mail. As in INTERNET is created special Mailing Lists for myrmecologists: mynnecology gt.owl.de, with the help of which you can communicate with the colleagues from all world.