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ИЗВЕСТИЯ АКАДЕМИИ НАУК ЭСТОНСКОЙ ССР. ТОМ XVIII
БИОЛОГИЯ. 1969, № 1

A. RAITVIIR

DISCOMYCETES OF MIDDLE ASIA. I

Descriptions of Some New *Helotiales*

This report is the first one in the series dealing with the Discomycetes of Middle Asia, particularly the Tien-Shan Mountains. In these mountains the areas covered by *Picea schrenkiana* forests and luxuriant subalpine vegetation are favourite biotopes of numerous Discomycetes. Several interesting alpine species can be found there alongside of the common, widely distributed ones. Further on, the material will be published according to taxonomical groups. In the present paper, five new species collected in the Sary-Tshelek wild-life preserve are described.

Ciboria ferulae Raitv. sp. nova (Fig. 1).

Apothecia media, 2—3 mm in diam., longe flexuoso-stipitata, cupulata, pallide lutea vel lutea, extus glabra, pallida. Ectoexcipulum ex cellulis late prismaticis, pallide brunnea. Asci cylindracei poris amyloideis, 103—115/5.8—7 μ. Sporae ellipsoideae, hyalinae, nonguttulatae, 8.3—11.6/4—5 μ. Paraphyses cylindraceae.

Ad semina Ferulae sp. dejecta crescit.

Typus: R.P.S.S. Kirghizicae, Tian-Schan occidentalis, Montes Tschatkal, Reservatum Sary-Tschelek, ad semina Ferulae sp. in prato subalpina, 11. 8. 1967, A. Raitviir legit (TAA-44692).

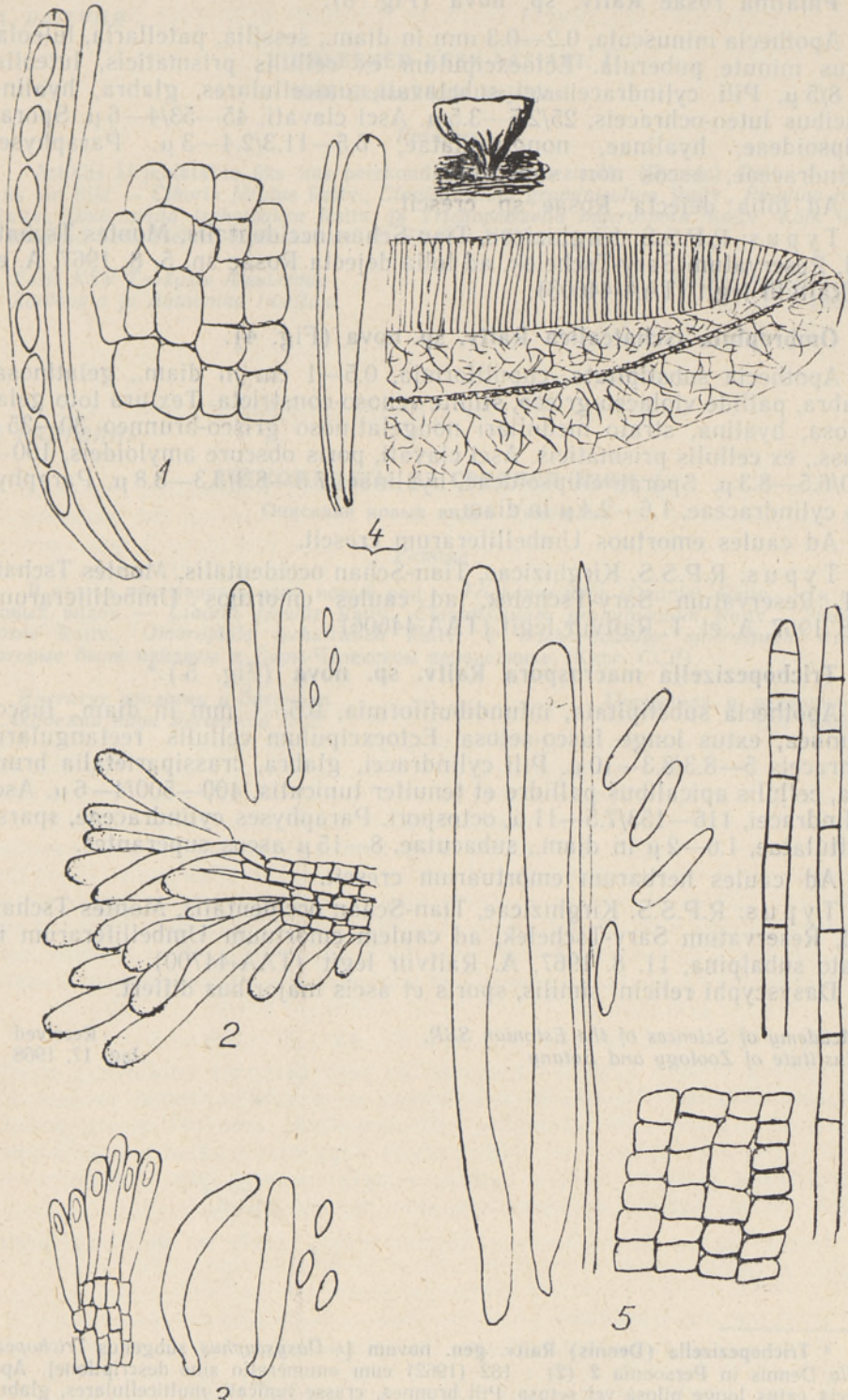
Clavidisculum graminicolum Raitv. sp. nova (Fig. 2).

Apothecia minuscula, 0.2—0.3 mm in diam., sessilia, cupulata, in statu sicco urceolata, hyalina vel albida, ad marginem pubescentia. Pili cylindraceo-clavati, unicellulares, hyalini, tenuiter tunicati, membrana ad apicem subtiliter crassiore et minute granuloso-incrustata, 25—33/6.5 μ. Asci cylindraceo-clavati, 30—35/4.3—5 μ, poris amyloideis. Sporae fusoideo-clavatae, 6.6—7.5/1.5 μ. Paraphyses anguste lanceolatae, 2—2.5 μ in diam., ascos non superantes.

Ad caules emortuarum Graminearum.

Typus: R.P.S.S. Kirghizicae, Tian-Schan occidentalis, Montes Tschatkal, Reservatum Sary-Tschelek, ad caulem emortuum Graminearum, 9. 8. 1967, A. et T. Raitviir legit (TAA-44641).

Figs: *1* — *Ciboria ferulae* Raitv., ascus cum sporis et ectoexcipulum; *2* — *Clavidisculum graminicolum* Raitv., sectio ectoexcipuli cum pilis, asci et sporae; *3* — *Phialina rosae* Raitv., margo ectoexcipuli, asci et sporae; *4* — *Ombrophila tschatcalica* Raitv., apothecium (×1), ascus cum paraphysae et sectio apothecii; *5* — *Trichopezizella macrospora* Raitv., asci cum paraphysae, sporae, pili et ectoexcipulum (×700).


1
4
2
5
3

Phialina rosae Raitv. sp. nova (Fig. 3).

Apothecia minuscula, 0.2—0.3 mm in diam., sessilia, patellaria, luteola, extus minute puberula. Ectoexcipulum ex cellulis prismaticis, luteolis, ca 8/5 μ. Pili cylindracei vel subclavati, unicellulares, glabra, hyalini, apicibus luteo-ochraceis, 25/2.5—3.5 μ. Asci clavati, 45—53/4—6 μ. Sporae ellipsoideae, hyalinae, nonguttulatae, 6.5—11.3/2.4—3 μ. Paraphyses cylindraceae, ascos non superantes.

Ad folia dejecta Rosae sp. crescit.

Typus: R.P.S.S. Kirghizicae, Tian-Schan occidentalis, Montes Tschatkal, Reservatum Sary-Tschelek, ad folia dejecta Rosae sp. 5. 8. 1967, A. et T. Raitviir legit (TAA-44603).

Ombrophila tschatcalica Raitv. sp. nova (Fig. 4).

Apothecia substipitata, cupuliformia, 0.5—1 cm in diam., gelatinosa, glabra, pallide violaceo-grisea, stipite venoso-constricta. Textura toto gelatinosa, hyalina, strato medullari nongelatinoso griseo-brunneo 30—35 μ crass., ex cellulis prismaticis. Asci clavati, poris obscure amyloideis, 100—110/6.5—8.3 μ. Sporae ellipsoideae, hyalinae, 7.5—8.3/3.3—3.8 μ. Paraphyses cylindraceae, 1.6—2.4 μ in diam.

Ad caules emortuos Umbelliferarum crescit.

Typus: R.P.S.S. Kirghizicae, Tian-Schan occidentalis, Montes Tschatkal, Reservatum Sary-Tschelek, ad caules emortuos Umbelliferarum, 5. 8. 1967, A. et T. Raitviir legit (TAA-44606).

Trichopezizella macrospora Raitv. sp. nova (Fig. 5.).*

Apothecia substipitata, infundibuliformia, 0.5—1 mm in diam., fusco-brunnea, extus longe fusco-setosa. Ectoexcipulum cellulis rectangularis ochraceis 5—8.3/8.3—10 μ. Pili cylindracei, glabra, crassiparietalia brunnea, cellulis apicalibus pallidre et tenuiter tunicatis, 400—500/4—6 μ. Asci cylindracei, 116—153/7.5—11 μ, octospori. Paraphyses cylindraceae, sparse guttulatae, 1.6—2 μ in diam., subacutae, 8—15 μ ascos superantes.

Ad caules herbarum emortuarum crescit.

Typus: R.P.S.S. Kirghizicae, Tian-Schan occidentalis, Montes Tschatkal, Reservatum Sary-Tschelek, ad caulem emortuum Umbelliferarum in prato subalpina, 11. 8. 1967, A. Raitviir legit (TAA-44700).

Dasyscyphi relicini similis, sporis et ascis majoribus differt.

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* **Trichopezizella (Dennis) Raitv. gen. novum** [=*Dasyscyphus* subgenus *Trichopezizella* Dennis in Persoonia 2 (2) : 182 (1962) cum enumeratio sine descriptione]. Apothecia extus longe pilosa vel setosa. Pili brunnea, crasse tunicati, multicellulares, glabra, apicibus palliore et tenuiter tunicatis. Asci cylindracei vel clavati. Sporae fusoideae vel cylindraceae. Paraphyses lanceolatae vel cylindraceae. Typus generis: *Dasyscyphus nidulus* (Fr.) Massee.

A. RAITVIIR

LIUDSEENED KESK-AASIAST. I

Uute tiksikuliikide kirjeldusi

Resümee

Artiklis kirjeldatakse üks uus perekond — *Trichopezizella* (Dennis) Raitv. — ning viis uut liiki — *Ciboria ferulae* Raitv., *Clavidisculum graminicolum* Raitv., *Phialina rosae* Raitv., *Ombrophila tschatcalica* Raitv. ja *Trichopezizella macrospora* Raitv. Kõik leiud pärinevad Sarõ-Tšeleki looduskaitsealalt Kirgiisi NSV-s.

Eesti NSV Teaduste Akadeemia
Zooloogia ja Botaanika Instituut

Saabus toimetusse
17. I 1968

А. РАЙТВИЙР

ДИСКОМИЦЕТЫ ИЗ СРЕДНЕЙ АЗИИ. I.

Описания новых видов *Helotiales*

Резюме

В статье описывается один новый род — *Trichopezizella* (Dennis) Raitv. — и пять новых видов — *Ciboria ferulae* Raitv., *Clavidisculum graminicolum* Raitv., *Phialina rosae* Raitv., *Ombrophila tschatcalica* Raitv. и *Trichopezizella macrospora* Raitv., которые были найдены в Сары-Челекском заповеднике (Кирг. ССР).

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