

LABEL DATA FOR FIGURED SPECIMENS

Plates I–CCXXX are found on unnumbered pages following this Label Data list.

Label data for the figured specimens are listed in phylogenetic order of the genus, alphabetical order of the species within a genus, and consecutive plate numbers (PLATE I, etc.), with the scientific name of the species, sex of the specimen, kind of specimen (holotype, etc.), collection and host data, and an indication of the aspect from which the photograph was taken (A = antenna, C = cephalic, frons or face, D = dorsal, E = elytral declivity, L = lateral, and V = ventral, actually a view of the second visible abdominal sternum in the tribe Scolytini). The individual figures on each plate are labeled A–H for practical location and do not relate to the aspect from which the photograph was taken that is presented in the data list below.

Non-type specimens were mostly compared by myself or other specialists to authentically identified specimens. By comparing the complete or partial collection data on the Label Data list with the more complete Distribution data and Notes given in the text treatment of each species, one can usually ascertain the exact specialist making the determination.

HYLASTINI

PLATE I.

Hylastes ater (Paykull): ♀ det. SLW; CDL; Wurstwezel, Belgium, 25-II-1945, T.O. Thatcher.

HYLESININI

Hylastinus obscurus (Marshall): ♀ det. SLW; CDEL; Wooster, Ohio, USA, 1979.

Hylesinus toranio (Danthione): ♂ det. SLW; CD; Salop, England, 18-VIII-1938, H. Hignet.

PLATE II.

Phloeoborus grandis (Erichson): ♂ SLW homotype; CDEL; Ypirangacap, Sao Paulo, Brazil, 4-I-1933, Thalik.

P. procerus (Erichson): ♀ homotype det. SLW; CDEL; Wotatuba, Sao Paulo, Brazil, 22-X-1964, Moses.

PLATE III.

P. rudis Erichson: ♂ det. SLW; CDEL; Barro Colorado Island, Panama, 10-17-V-1964, W. & S.S. Duckworth.

P. signatus Strohmeier: ♂ det. SLW; CDEL; Sani Beni, Dep. Junin, Peru, 18-X-1935, F. Woytkowski.

TOMICINI

PLATE IV.

Xylechinosomus contractus (Chapuis): ♂ det. SLW; CD; Curitiba, Panama, Brazil, 13-I-1969.

X. valdivianus (Eggers): ♂ det. SLW; CD; Carmavida, Chile, 5-II-1953, L.E. Pena.

Simphloeus destructor Eggers: ♂ det. SLW; CD; Carmavida, Chile, 25-I-1953, L.E. Pena.

PLATE V.

Xylechinus imperialis (Schedl): ♂ det. SLW; CDEL; San Salvador de Jujuy, Argentina, 21-X-1968.

Hylurgus ligniperda (Fabricius): ♂ det. SLW; CDL; Jaen, Spain, 20-IX-1984, T. Yelamos.

PLATE VI.

Hylurgonotus antipodius (Eggers): ♂ det. SLW; CDEL; Alto Caicupil, Chile, 7-I-1954, L.E. Pena.

H. solidus (Schedl): ♂ det. SLW; CDLE; Sierra de Nahuelbuta, W of Angol, Chile, 2-I-1954, L.E. Pena.

PLATE VII.

H. tuberculatus (Eggers): ♂ det. SLW; CDEL; Cherquenco, Chile, I-1954, L.E. Pena.

H. tuberculatus ♀ det. SLW; CDLE; Caramavida, Chile, 25-I-1953, L.E. Pena.

PHRIXOSOMINI

PLATE VIII.

Phrixosoma viriosa Wood: ♂ det. SLW; CDL; 40 km SE Socopo, Barinas, Venezuela, 25-I-1970, 150 m, *Rheedea madruno*, SLW.

BOTHROSTERNINI

Cnesinus colombianus Wood: ♀ paratype; CDL; El Bosque, Caicedonia, Valle de Cauca, Colombia, 23-VI-1959, J. Restropo.

PLATE IX.

C. gracilis Blandford: ♀ det. SLW; CDL; Fort Clayton, Canal Zone, Panama, 22-XII-1963, SLW.

C. porcatus Blandford: ♀ det. SLW; CDL; Volcan Chirqui, Panama, 11-I-1964, SLW.

PLATE X.

Pagiocerus frontalis (Fabricius): ♀ det. SLW; CDL; Mason Cave, Tingo Maria, Peru, 15-XII-195_.

Bothrosternus truncatus (Fabricius): ♂ SLW homotype; CDL; 40 km E Canton, Barinas, Venezuela, 8-III-1970, 70 m, No. 337, *Serjania*, SLW.

Bothrosternus truncatus: ♀ det. SLW; DL; same data.

PHLOEOTRIBINI

PLATE XI.

Phloeotribus amplus Wood: ♂ paratype; CDL; La Carbonera 50 km NW Merida, Merida, 14-X-1969, log, SLW.

P. biguttatus Blandford: ♂ det. SLW; CDL; 27 km NE Montoya, Santander, Colombia, 2-VII-1970, 150 m, No. 591, SLW.

PLATE XII.

P. collaris Chapuis: ♂ det. SLW; CDL; 10 km E Medellin, Antioquia, 15-VII-1970, No. 681, SLW.

P. hebes Schedl: ♂ det. SLW; CDL; Ilheus, Cepec, Bahia, Brazil, blacklight, Kaston.

PLATE XIII.

P. hirticulus Wood: ♂ det. SLW; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 14-X-1969, No. 52, SLW.

P. incanus Wood: ♂ metatype, SLW; CDL; Chanchamayo, Peru.

PLATE XIV.

P. pilula Erichson: ♂ det. SLW; CDL; 9 km S Barrancas, Barinas, Venezuela, 1-X-1969, No. 30, SLW.

P. venezus Wood: ♂ paratype; CDL; 10 km E Medellin, Antioquia, Colombia, 15-VII-1970, No. 654, SLW.

LABEL DATA

PLATE XV.

P. setulosus Eichhoff: ♂ det. SLW; CDL; 8 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, No. 623, SLW.

P. squamiger Wood: ♂ det. SLW; CDL; Colonia Tovar, Aragua, Venezuela, 4-V-1970, No. 495, SLW.

PLATE XVI.

P. subovatus Blandford: ♂ det. SLW; CDL; 20 km SW El Vigia, Merida, Venezuela, 2-XI-1969, No. 147, SLW.

P. transversus Chapuis: ♂ det. SLW; CDL; Colonia Tovar, Aragua, Venezuela, 4-V-1970, No. 504, SLW.

PLATE XVII.

P. truncatus Wood: ♂ holotype; CDL; Quindio, Colombia, 1-III-1995.

P. venezuelensis Schedl: ♂ det. SLW; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 12-I-1970, No. 234, SLW.

PHLOEOSININI

PLATE XVIII.

Dendrosinus ater Eggers: ♀ det. SLW; CDL; Nova Teutonia, Santa Catarina, Brazil, X-1963, F. Plaumann.

D. globosus (Eichhoff): ♂ det. SLW; CDL; 9 km S Barrancas, Barinas, Venezuela, 5-XI-1969, 150 m, SLW.

PLATE XIX.

Cladoctonus corumbensis (Eggers): ♂ det. SLW; CDL; 27 km NE Montoya, Santander, Colombia, 2-VII-1971, No. 601, SLW.

C. interruptus (Eggers): ♂ det. SLW; CDL; La Cuchilla, Sevilla, Colombia, 19-VII-1959, J.H. Lasso.

PLATE XX.

Pseudochramesus acuteclavatus (Hagedorn): ♀ det. Blackman; CDL; Yhancoroinca, Chuquca, Bolivia, IV-1924, G.L. Harrington.

Chramesus aberrans Schedl: ♂ det. Schedl; CDL; Ilheus, Cepec, Bahia, Brazil, 11-III-1981, Kaston.

PLATE XXI.

C. aspericollis Schedl: ♂ det. Schedl; CDL; Nova Teutonia, Santa Catarina, Brazil, X-1956, F. Plaumann.

C. bispinus Wood: ♂ paratype; CDL; Tenerife, Valle de Cauca, Colombia, IX-1980, 2800 m, *Passiflora mallisima*.

PLATE XXII.

C. dentellus Wood: ♂ paratype; CDL; 10 km NW Banos, Ecuador, 26-IV-1978.

C. impolitus Wood: ♂ paratype; CDL; 30 km E Palmar, Bolivar, Venezuela, No. 567, SLW.

PLATE XXIII.

C. macrocornis Wood: ♂ paratype; CDL; Merida, Merida, Venezuela, 22-IX-1969, No. 14, SLW.

C. simplicis Wood: ♂ paratype; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 12-I-1970, No. 231, SLW.

PLATE XXIV.

C. sollicitatus Wood: ♂ paratype; CDL; 30 km E Palmar, Bolivar, Venezuela, 12-I-1970, No. 569, SLW.

HYPOBORINI

Chaetophloeus andinus Wood: ♂ paratype; CDL; 3 km E Lagunillas, Merida, Venezuela, 12-I-1971, No. 237, SLW.

PLATE XXV.

C. brasiliensis (Blackman): ♂ topotype det. Blackman; CDL; Cerra, Brazil, 1947, No. 129, D. de Raha.

Liparthrum carapae Wood: ♂ paratype; CDL; 30 km E Palmar, Bolivar, Venezuela, 12-VI-1970, No. 580, SLW.

PLATE XXVI.

L. meridensis Wood: ♂ paratype; CDL; 3 km E Lagunillas, Merida, Venezuela, 12-I-1970, No. 238, SLW.

SCOLYTINI

Cnemonyx insignis Wood: ♂ det. SLW; CDL; 27 km E Montoya, Santander, Colombia, 150 m, No. 592, *Virola*, SLW.

PLATE XXVII.

C. maculicornis Blandford: ♂ det. SLW; CDL; 27 km E Montoya, Santander, Colombia, 150 m, No. 594, *Virola*, SLW.

C. panamensis Blandford: ♂ det. SLW; CDL; 8 km W Bumbum, Barinas, Venezuela, 12-II-1970, 150 m, No. 312, *Protium*, SLW.

PLATE XXVIII.

C. rugulosus (Eggers): ♂ det. SLW; CDL; 30 km E Palmar, Bolivia, Venezuela, 12-VI-1970, 200 m, No. 562, *Trichilla propingua*, SLW.

C. vestitus (Eggers): ♂ det. SLW; CDL; 30 km E. Palmar, Bolivia, Venezuela, 12-VI-1970, 200 m, No. 562, *Trichilla propingus*, SLW.

PLATE XXIX.

C. vismiacolens Wood: ♂ paratype; CDL; 30 km E Palmar, Bolivar, Venezuela, 9-IV-1970, 1100 m, No. 432, *Guttiferae*, SLW.

Campocerus aeneipennis (Fabricius): ♂ det. SLW; CDL; 40 km E Socopo, Barinas, Venezuela, 25-I-1970, 150 m, No. 262, SLW.

PLATE XXX.

C. angustior Eggers: ♂ homotype; CD; 15 mi. NE Tingo Maria, Peru, 11-XI-1954, E.I. Schlinger & E.S. Ross.

C. aterrimus (Fabricius): ♂ det. SLW; CDL; Mato Grosso, Brazil, 12-18-XI-1968, RS-RGS, C69D, R.A. Beaver.

PLATE XXXI.

C. auricomus Blandford: ♂ det. SLW; CDL; Rio Damitas, Dota Mts., San Jose, Costa Rica, 18-II-1970, *Rheedia edulis*, SLW.

C. costatus Chapuis: ♂ det. SLW; CDL; Morne Blue, Trinidad.

PLATE XXXII.

C. niger (Fabricius): ♂ det. SLW; CDL; Mato Grosso, Brazil, 7-X-1968, RS-Rgs A85-86, R.A. Beaver.

C. opacicollis Eggers: ♂ homotype; CDL; 69 km N Manaus, Brazil, 7-XII-1979, G. Stevens.

PLATE XXXIII.

C. quadridens Blackman: ♂ det. SLW; CDL; Cerro Jefe, Panama, 24-II-1973, 700 m.

C. suturalis (Fabricius): ♂ det. SLW; CDL; 69 km N Manaus, Amazonas, Brazil, 7-XII-1979, G. Stevens.

PLATE XXXIV.

Scolytopsis orinocanus Wood: ♂ paratype; CDL; 30 km E Palmar, Bolivar, Venezuela, 22-VI-1970, 200 m, No. 523, SLW.

S. orinocanus Wood: ♀ paratype; CDL; same as for ♂.

PLATE XXXV.

S. peruanus Eggers: ♂ det. SLW; CDL; Brazil, 1986.

S. peruanus Eggers: ♀ det. SLW; C; same as for ♂.

Scolytus antennatus Schedl: ♂ det. SLW; CDLV; Cepec, Bahia, Brazil, 11-III-198_.

PLATE XXXVI.

S. antennatus Schedl: ♀ det. SLW; CDLV; same as for ♂.

S. barinensis Wood: ♂ paratype; CDLV; 40 km E Canton, Barinas, Venezuela, 8-III-1970, 70 m, No. 356, SLW.

PLATE XXXVII.

S. caudatus Eggers: ♂ SLW homotype; CDLV; Mission Memberg, Argentina, 12-I-1943.

S. costellatus Chapuis: ♂ det. SLW; CDLV; Guapiles, Limon, Costa Rica, 22-VIII-1966, 100 m, No. 107, liana, SLW.

PLATE XXXVIII.

S. costellatus Chapuis: ♀ det. SLW; CV; same as for ♂.

S. cristatus Wood: ♂ det. SLW; CDLV; 8 km S Barrancas, Barinas, Venezuela, 2-XII-1969, liana, SLW.

PLATE XXXIX.

S. dimidiatus Chapuis: ♂ det. SLW; CDLV; 40 km E Canton, Barinas, Venezuela, 8-III-1969, liana, SLW.

S. excavatus Wood: ♂ holotype; CDLV; Warones near Santa Cruz [de la Sierra], Bolivia.

PLATE XL.

S. novateutonicus Schedl: ♂; CDLV; Tibillas, Salta, Argentina, Harrington.

S. obscuriceps Wood: ♂ holotype; CD; Rio Caraquata, Brazil, 21-IV-1953, 400 m, F. Plaumann.

PLATE XLI.

S. plaumanni Wood: ♂ holotype; CD; Nova Teutonia [Santa Catarina], Brazil, III-1941, F. Plaumann.

S. plaumanni Wood: ♀ allotype, same as for ♂.

S. proximus Chapuis: ♂ homotype; CDLV; 9 km S Barrancas, Barinas, Venezuela, 1-X-1969, 150 m, No. 31, SLW.

PLATE XLII.

S. submarginatus Schedl: ♂ det. SLW; CDLV; Nova Teutonia, Santa Catarina, Brazil, F. Plaumann.

S. submarginatus Schedl: ♀ det. SLW; CDLV; same as for ♂.

PLATE XLIII.

S. thoracicus Chapuis: ♂ det. SLW; CDLV; Nova Teutonia, Santa Catarina, Brazil, F. Plaumann.

S. thoracicus Chapuis: ♀ det. SLW; C; same as for ♂.

CTENOPHORINI**PLATE XLIV.**

Microborus aberrans Wichmann: ♂ det. SLW; DEL; Ilheus, Cepec, Bahia, Brazil, II-III-1981, light, Kaston.

M. lectus Wood: ♂ paratype; CDEL; Carbonera 50 km NE Merida, Merida, Venezuela, 14-X-1969, No. 57, SLW.

PLATE XLV.

Pycnarthrum brosimi Wood: ♂ det. SLW; CDL; Isla del Cano, Costa Rica, IV-1980, G. Stevens.

P. hispidum (Ferrari): ♂ det. SLW; CDL; Rodeo, Esquintla, Guatemala, 4-VI-1964, Ficus, SLW.

PLATE XLVI.

P. pallidum (Chapuis): ♂ det. SLW; CDL; 5 km W El Pino, Zulia, Venezuela, 20-X-1969, Ficus, SLW.

P. subcarinatum Wood: ♂ det. SLW; CDL; 8 km W Bumbum, Barinas, Venezuela, 2-II-1970, *Brosimum*, SLW.

PLATE XLVII.

P. uniseriatum Schedl: ♀ SLW holotype; DE; Faz. Taperinha prox. Santarem, Para, Brazil, 29-XII-1967-9-I-1968.

Gymnochilus consocius (Blandford): ♂ det. SLW; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 16-IX-1969, No. 20, SLW.

PLATE XLVIII.

Scolytodes alni Wood: ♀ paratype; CDL; Volcan Irazu, Cartago, Costa Rica, 26-IX-1963, No. 21, SLW.

S. brevis (Eggers): ♂ holotype; DEL; Cochabamba, Bolivia.

PLATE XLIX.

S. brasiliensis (Eggers): ♂ holotype; DE; Blumenau, Brazil.

S. canaliculus Wood: ♀ paratype; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 9-XII-1969, No. 177, SLW.

PLATE L.

S. chapuisi Wood: ♀ det. SLW; CDL; Colonia Tovar, Aragua, Venezuela, 4-V-1970, No. 501, SLW.

S. constricta Wood: ♀ paratype; CDL; 11 km W Medellin, Antioquia, Colombia, 17-VII-1970, No. 688, SLW.

PLATE LI.

S. genialis Wood: ♀ paratype; CDL; 30 km N Merida, Merida, Venezuela, 8-I-1970, No. 224, SLW.

S. glabrescens Wood: ♀ det. SLW; CDL; 24 km E Barbosa, Antioquia, Colombia, 8-VII-1970, No. 701, SLW.

PLATE LII.

S. guyanaensis (Schedl): ♀ det. SLW; CDL; 30 km E Palmar, Bolivar, Venezuela, 12-VII-1970, No. 580, SLW.

S. imitans (Eggers): ♀ det. SLW; CDL; 40 km SE Socopo, Barinas, Venezuela, 25-I-1970, No. 251, SLW.

PLATE LIII.

S. jucunda Wood: ♀ paratype; CDL; Rancho Grande, Aragua, Venezuela, 9-VII-1970, No. 403, SLW.

S. laevicollis (Eggers), ♂ holotype; DEL; Cochabamba, Bolivia.

PLATE LIV.

S. maura (Blandford): ♀ det. SLW; CDL; 18 km E Coatzacoalcos, Veracruz, Mexico, 26-IV-1967, No. 109, SLW.

S. ommatea Wood: ♀ paratype; CDL; 8 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, *Clusia*, SLW.

PLATE LV.

S. opaca Wood: ♂ paratype; CDL; Merida, Merida, Venezuela, 27-II-1970, No. 331, SLW.

S. (opimus) Wood (=) *opaca* Wood: ♂ paratype; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 9-XII-1969, No. 172, SLW.

PLATE LVI.

S. phoebeae Wood: ♀ paratype; CDL; Tapanti, Cartago, Costa Rica, 24-X-1963, No. 241, SLW.

S. pilifer (Eggers): ♂ holotype; DEL; Cochabamba, Bolivia.

PLATE LVII.

S. pilosula (Eggers): ♂ holotype; DEL; Cochabamba, Bolivia.

S. plumeriae Wood: ♀ paratype; CDL; Playa del Coco, Guanacaste, Costa Rica, 11-VII-1966, No. 20, SLW.

PLATE LVIII.

S. schoenmanni Wood: ♂ holotype; DE; Marcapata, Peru.

S. varia Wood: ♂ paratype; CDL; La Mucuy, 20 km W Merida, Merida, Venezuela, 12-IX-1969, No. 129, SLW.

MICRACINI**PLATE LIX.**

Hylocurus dimorphus Schedl: ♂ det. Schedl; CDEL; Rondon, Parana, Brazil, 196_, 500 m, F. Plaumann.

H. dimorphus Schedl: ♀ det. Schedl; CDEL; same data as ♂.

PLATE LX.

H. elegans Eichhoff: ♂ det. SLW; CDEL; Los Corchos, Nayarit, Mexico, 11-VII-1965, 20 m, No. 218, *Acacia*, SLW.

H. elegans Eichhoff: ♀ det. SLW; CDEL; same data as ♂.

PLATE LXI.

H. flagellatus Wood: ♂ paratype; CDEL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, 1100 m, No. 431, *Nectandra*, SLW.

H. flagellatus Wood: ♀ paratype; CDEL; same data as ♂.

PLATE LXII.

H. giganteus (Schedl): ♀ paratype; CDEL; Nova Teutonia, Santa Catarina, Brazil, IV-1941, F. Plaumann.

H. impar Schedl: ♀ det. Schedl; CDEL; Nova Teutonia, Santa Catarina, Brazil, VII-1957, F. Plaumann.

PLATE LXIII.

H. singularis Wood: ♀ paratype; CDEL; 8 km SW Bumbum, Barinas, Venezuela, 11-II-1970, 150 m, No. 313, SLW.

H. verrucosus Wood: ♂ paratype; CDEL; 9 km S Barrancas, Barinas, Venezuela, 5-XI-1969, No. 111, SLW.

PLATE LXIV.

H. villifrons Wood: ♂ paratype; CDEL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 432, SLW.

H. villifrons Wood: ♀ paratype; CDEL; same data as ♂.

PLATE LXV.

Micracis sentus Wood: ♂ holotype; CDEL; 12 km SW Caracas, 1-V-1970, 1300 m, No. 460, SLW.

LABEL DATA

M. vitulus Wood: ♂ paratype; CDEL; La Carbonera 50 km NW Merida, Merida, Venezuela, 10-XI-1969, No. 128, SLW.

PLATE LXXVI.

M. vitulus Wood: ♀ paratype; CDEL; same data as ♂.

CARPHODICTICINI

Carphodicticus cristatus Wood: ♀ paratype; CDEL; 8 km SW Bumbum, Barinas, Venezuela, 11-II-1970, No. 326, SLW.

IPINI

PLATE LXXVII.

Orthotomicus erosus (Wollaston): ♂ det. SLW; CDEL; Barcelona, Spain, 9-V-1982, T. Velamos.

Acanthotomicus analogus (Wood): ♂ det. SLW; CDEL; 40 km E Canton, Barinas, Venezuela, 8-III-1970, No. 394, SLW.

PLATE LXXVIII.

A. bidentis Wood: ♂ det. Wood; CDEL; 8 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, No. 628, SLW.

A. granulatus (Ferrari): ♂ det. SLW; CDEL; Colonia Tovar, Aragua, Venezuela, 4-V-1970, No. 483, SLW.

PLATE LXXIX.

A. mimicus (Schedl): ♂ det. SLW; CDEL; Barrancas, Barinas, Venezuela, 5-XI-1969, No. 115, SLW.

A. ocularis (Wood): ♂ det. SLW; CDEL; 8 km S Colonia, Valle del Cauca, Venezuela, 9-VIII-1970, No. 628, SLW.

DRYOCOETINI

PLATE LXX

Dendrocranulus auctus Wood: ♂ paratype; CDEL; Rancho Grande, Aragua, Venezuela, 1-X-1969, vine, SLW.

D. auctus Wood: ♀ paratype; CDEL; same data as ♂.

PLATE LXXI.

D. columbianus Schedl: ♀ det. Schedl; CDEL; Bumbum, Barinas, Venezuela, 29-I-1970, No. 276, SLW.

D. costalimai Schedl: ♂ det. SLW; CDEL; Ilheus, Cepec, Bahia, Brazil, 11-III-1986, blacklight, Kaston.

PLATE LXXII.

D. limitaris Wood: ♀ paratype; CDEL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, SLW.

D. pinguis Wood: ♂ det. SLW; CDEL; Bumbum, Barinas, Venezuela, 29-I-1970, No. 276, SLW.

PLATE LXXIII.

D. reditus Wood: ♂, det. SLW; CDEL; 9 km S Barrancas, Barinas, Venezuela, 1-X-1969, vine, SLW.

Coccotrypes aciculatus Schedl: ♀ SLW homotype; CDEL; Barro Colorado Island, Panama, XI-1930, F.C. Lutz.

PLATE LXXIV.

C. advena Blandford: ♀ det. SLW; CDEL; Labugama, Col. Distr., Sri Lanka, 23-VI-1975, fallen fruit, SLW.

C. carpophagus (Hornung): ♀ det. SLW; CDEL; Lombe, Cameroon, 1978, *Pachypanthium*, D.B. McKey.

PLATE LXXV.

C. cyperi (Beeson): ♀ SLW homotype; CDEL; Dominical, Puntarenas, Costa Rica, 9-XII-1963, fallen fruit, SLW.

C. dactyliperda (Fabricius): ♀ det. SLW; CDEL; Kapioleni Park, Hawaii, 22-IX-1929, O.H. Swezey.

PLATE LXXVI.

C. distinctus (Motschulsky): ♀ det. SLW; CDEL; Melbourne, Florida, USA, 9-VII-1917, at light, SLW.

C. rhizophorae (Hopkins): ♀ SLW homotype; CDEL; Stann Creek Distr., Cocoplum Cay, Belise, 23-III-198_, *Rhizophora mangle* roots.

XYLEBORINI

PLATE LXXVII.

Premnobius ambitiosus (Schauffuss): ♀ det. SLW; DEL; Mt. Coffee, Liberia, IV-1897, O.F. Cook.

P. cavipennis Eichhoff: ♀ det. SLW; DEL; Finca Monasterios, Cacagua, Miranda, Venezuela, 1971, *Theobroma cacao*, J.L. Saunders.

PLATE LXXVIII.

P. sexnotatus (Schedl): ♀ SLW homotype; DEL; Jodensavanne, Suriname, Camp 8, 1961, Schulz.

Samponius buculus (Schedl): ♀ SLW homotype; DEL Ilheus, Cepec, Bahia, Brazil, 1966-1968, at light, Kaston.

PLATE LXXIX.

S. dampfi Schedl: ♀ det. SLW; DEL; 40 km SE Socopo, Barinas, Venezuela, 25-I-1970, No. 275, SLW.

S. expulsus Wood: ♀ holotype; DEL; 8 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, No. 619, *Pasteria*, SLW.

PLATE LXXX.

S. obtusicornis Schedl: ♀ SLW homotype; CDEL; Pampa Jungle, vic. Lea, Pep. Huanuco, Peru, 800 m, No. 3811, F. Woytkowski.

S. pennatus (Schedl): ♀ det. SLW; DEL; INPA, Manaus, Amazonas, Brazil, 23-XI-1987, ethanol trap, R.L.S. Abreu.

PLATE LXXXI.

Dryocoetoides capucinus (Eichhoff): ♀ det. SLW; DEL; Madden Forest, Canal Zone, Panama, 2-I-1964, SLW.

D. cristatus (Fabricius): ♀ det. SLW; DEL; Valle de Choroni, Venezuela, 3-IV-1964, *Theobroma cacao*, J.L. Saunders.

PLATE LXXXII.

D. flavus (Fabricius): ♀ det. SLW; DEL; 40 km SE Socopo, Barinas, Venezuela, 25-I-1970, No. 245, SLW.

D. indolatus Wood: ♀ paratype; DEL; 30 km E Palmar, Bolivar, Venezuela, 12-IV-1970, No. 578, SLW.

PLATE LXXXIII.

D. insculptus Wood: ♀ paratype; DEL; 8 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, No. 605, SLW.

D. monachus (Blandford): ♀ det. SLW; DEL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 426, SLW.

PLATE LXXXIV.

D. obtusitrunccatus (Schedl): ♀ det. SLW; DEL; San Barnardino, Paraguay, 1909, K. Fiebrig.

D. pileatus Wood: ♀ paratype; DEL; 10 km SE Miri, Barinas, Venezuela, 8-II-1970, No. 295, SLW.

PLATE LXXXV.

D. pseudosolitaris (Eggers): ♀ det. SLW; DEL; 9 km S Barrancas, Barinas, Venezuela, 1-X-1969, *Cassia fistula*, SLW.

D. rusticus Wood: ♀ holotype; DEL; Serra Navio, Terr., Amapa, Brazil.

PLATE LXXXVI.

D. vexans (Schedl): ♀ holotype; DE; Caraca, Santa Barbara, Minas de Gerais, Brazil.

D. velutinus Wood: ♀ det. SLW; DEL; 30 km E Palmar, Bolivar, 12-VI-1970, No. 238, SLW.

Theoborus coartatus (Sampson): ♀ det. SLW; DEL; Costa Rica.

PLATE LXXXVII.

T. crinitulus (Wood): ♀ paratype; DEL; 40 km SE Socopo, Barinas, Venezuela, 25-I-1970, No. 280, SLW.

T. ricini (Eggers): ♀ det. SLW; DEL; El Coco, Guanacaste, Costa Rica, 18-X-1963, 10 m, *Citrus* limb, SLW.

PLATE LXXXVIII.

T. theobromae Hopkins: ♀ det. SLW; DEL; 9 km S Barrancas, Barinas, Venezuela, 5-IX-1969, No. 102, SLW.

T. villosulus (Blandford): ♀ SLW homotype; DEL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 404, SLW.

PLATE LXXXIX.

Coptoborus catulus (Blandford): ♀ det. SLW; DEL; 20 km SW El Vigia, Merida, Venezuela, 21-XI-1969, No. 149, SLW.

C. pseutotenus (Schedl): ♀ det. SLW; DEL; El Palmar, Veracruz, Mexico, 22-III-1959, rubber tree.

PLATE XC.

C. spicatus Wood: ♀ det. SLW; DEL; Doelburg, 1952, Suriname.

C. tolimanus (Eggers): ♀ det. SLW; DEL; 17 km SE Miri, Barinas, Venezuela, 17-XII-1969, No. 199, SLW.

PLATE XCI.

C. vespatorius (Schedl): ♂ det. SLW; DEL; Finca Monasterios, Cacagua, Miranda, Venezuela, 1971, J.L. Saunders.

C. vespatorius: ♀ det. SLW; DEL; Rancho Grande, Aragua, 9-IV-1970, 1100 m, tree bole, SLW.

PLATE XCII.

Ambrosiodmus coffeicus (Schedl): ♀ det. SLW; DEL; Ospina Perez, Palmero, Huila, Colombia, 19-IV-1959, cafe, A. Ibarra.

A. hagedorni (Iglesias): ♀ det. Schedl; DEL; Guapiles, Limon, Costa Rica, 22-VIII-1966, *Terminalia*, SLW.

PLATE XCIII.

A. obliquus (LeConte): ♂ det. SLW; DEL; Siberia, Caldonia, Valle del Cauca, Colombia, 8-V-1959, cafe, C.M. Sanchez.

A. obliquus: ♀ det. SLW; DEL; Nicholson, Mississippi, USA, 21-I-1945, 45-2839.

PLATE XCIV.

A. opimus Wood: ♀ holotype; DEL; Sebring, Florida, USA, 1951, SLW.

A. rubricollis (Eichhoff): ♀ det. SLW; DEL; Ridgely, Maryland, USA; 15-IX-1942, *Quercus*, W.H. Anderson.

PLATE XCV.

A. scalaris (Schedl): ♀ det. SLW; DEL; Moravia, Cartago, Costa Rica, 11-III-1964, log, SLW.

Eucallacea fornicatus (Eichhoff): ♀ det. SLW; DEL; Davao, Mindanao, Philippine Islands, 1964, N.L.H. Krauss.

PLATE XCVI.

E. validus (Eichhoff): ♂ det. SLW; CDEL; Newton Square, Delaware Co., Pennsylvania, USA, 2-VII-1980, *Quercus*.

E. validus: ♀ det. SLW; CDEL; Tamayoiva, Honshu, Japan, 29-VII-1980, *Fagus crenatus*, SLW.

PLATE XCVII.

Xyleborus acuminatus Schedl: ♀ det. Schedl; CDEL; Brazil, 21-III-1967, intercepted at Mobile, Alabama, 10-918, Lot 67-6969.

X. vitiosus Schedl: ♀ det. SLW; CDEL; Nova Teutonia, Santa Catarina, Brazil, 6-I-1954, F. Plaumann.

PLATE XCVIII.

X. affinis Eichhoff: ♀ det. SLW; CDEL; 8 km S Colonia, Valle de Cauca, Colombia, 9-VII-1970, 30 m, SLW.

X. attilis Schedl: ♀ paratype; DE; Campo Grande, Dep. Cainguas, Misiones, Argentina.

PLATE XCIX.

X. asper Eggers: ♂ det. SLW; CDEL; La Lola, Limon, Costa Rica, VI-1972, *Theobroma cacao*, J.L. Saunders.

X. asper: ♀ det. SLW; CDEL; same data as ♂.

PLATE C.

X. associatus Schedl: ♀ holotype; DE; Brazil.

X. biconicus Eggers: ♀ det. Eggers; CDEL; Ilheus, Cepec, Bahia, Brazil, 1966-1968, at light, Kaston.

PLATE CI.

X. bolivianus Eggers: ♀ det. SLW; CDEL; La Selva, Heredia, Costa Rica, *P. maculobola*, K. Thunes.

X. cacuminatus Eggers: ♀ holotype; DE; Amazonas [probably Peru], Oberthur.

PLATE CII.

X. caldensis Wood: ♀ paratype; CDEL; Anserma, Valle de Cauca, Colombia, 15-VI-1959, naranjo, J.A. Solarte.

X. caraibicus Eggers: ♀ det. SLW; CDEL; Rincon, Osa Peninsula, Costa Rica, 11-VIII-1966, No. 52, SLW.

PLATE CIII.

X. concentus Wood: ♀ paratype; CDEL; Osa Peninsula, Costa Rica, 11-VIII-1966, No. 90, SLW.

X. confluens Schedl: ♀ holotype; DE; Buenos Aires, Argentina, H. Richter.

PLATE CIV.

X. congruens Schedl: ♀ holotype; DE; Bolivia.

X. demissus Wood: ♀ det. SLW; CDEL; La Selva, Heredia, Costa Rica, 17-IX-1994, K. Thunes.

PLATE CV.

X. deplanatus Eggers: ♀ det. SLW; CDL; Bartica-Potaro Road, Mile 21, Guiana, X-1948-III-1949, A.J. Atkinson.

X. discretus Eggers: ♀ det. SLW; CDEL; 12 km SW Caracas, Venezuela, 1-V-1970, No. 46, SLW.

PLATE CVI.

X. falsus Schedl: ♀ holotype; DE; Colonia Tovar, Aragua, Venezuela.

X. ferox Blandford: ♀ det. SLW; CDEL; Concepcion, Chiriqui, Costa Rica, 7-I-1964, balsa, SLW.

PLATE CVII.

X. ferrugineus (Fabricius): ♀ det. SLW; CDEL; 8 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, 30 m, SLW.

X. foederatus Schedl: ♀ holotype; DE; Dirkshoop, Suriname, V-1959.

PLATE CVIII.

X. geayi Hagedorn: ♀ det. SLW; CDEL; 30 km E Palmar, Bolivar, Venezuela, 12-VI-1970, No. 536, SLW.

X. horridatus Wood: ♀ paratype; CDEL; San Isidro del General, San Jose, Costa Rica, 5-XII-1963, *Citrus*, SLW.

PLATE CIX.

X. horridicus Wood: ♀ holotype; CDEL; Reyes, Bolivia, W.M. Mann.

X. incertus Schedl: (= *X. oneratus* Schedl, ♀ holotype); CDEL; Vera, Mato Grosso, Brazil.

PLATE CX.

X. latipennis Schedl: ♀ holotype; DE; V. Vera, Mato Grosso, Brazil, 1971, *Theobroma cacao*, J.L. Saunders.

X. macer Blandford: ♀ det. SLW; CDEL; Finca Monasterios, Cacagua, Miranda, Venezuela, J.L. Saunders.

PLATE CXI.

X. magnificus Wood: ♀ paratype; CDEL; Junin, Peru, 1-IX-1979, EESC, 5-80, S. Pancar.

X. majusculus Schedl: ♀ lectotype; DE; Cachoerinha-Una, Brazil.

PLATE CXII.

X. mutabilis Schedl: ♂ det. SLW; CDEL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 23-IV-1970, No. 250, SLW.

X. mutabilis: ♀ det. SLW; CDEL; same data as ♂.

PLATE CXIII.

X. neivai Eggers: ♀ det. SLW; CDEL; Rondon, Parana, Brazil, 195_, 500 m, F. Plaumann.

X. neotruncatus: (Schedl) ♀ SLW homotype; DE; Parque Esala, Piracicaba, Sao Paulo, Brazil.

PLATE CXIV.

X. parallelocolis Eggers: ♀ det. SLW; CDEL; Tapanti, Cartago, Costa Rica, 17-IX-1963, No. 178, liana, SLW.

X. parcellus Wood: ♀ paratype; CDEL; Bartica-Potaro Road, Mile 21, Guiana, X-1948-III-1949, A.T. Atkinson.

PLATE CXV.

X. perlongus Schedl: ♀ holotype; DE; Cochabamba, Bolivia.

LABEL DATA

- X. peruvianus* Schedl: ♀ holotype; DE; Chanchamajo, Peru.
X. politus Hagedorn: ♀ det. SLW; CDEL; 30 km E Palmar, Bolivar, Venezuela, 12-VI-1970, No. 545, SLW.

PLATE CXVI.

- X. posticus* Eichhoff: ♂ det. SLW; CDEL; Finca La Lola, Limon, Costa Rica, 14-XI-1962, *Theobroma cacao*, J.L. Saunders.
X. posticus: ♀ det. SLW; CDEL; same data as ♂.

PLATE CXVII.

- X. princeps* Blandford: ♀ det. SLW; CDEL; Rio Negro, 25 km NE La Union, Costa Rica, 20-II-1965, J.B. Karren.
X. procer Eichhoff: ♀ det. SLW; CDEL; Ilheus, Cepec, Bahia, Brazil, 1966-1968, at light, Kaston.

PLATE CXVIII.

- X. productus* Hagedorn: ♀ det. SLW; CDEL; Rincon, Osa Peninsula, Costa Rica, 11-VIII-1966, 30 m, SLW.
X. pusio Eggers: ♀ SLW homotype; CDEL; 30 km E Palmar, Bolivar, Venezuela, 12-VI-1970, No. 450, SLW.

PLATE CXIX.

- X. schildi* Schedl: ♀ det. SLW; CDEL; San Isidro, Valle del Cauca, Colombia, 10-XI-1977, *Brosium utile*.
X. sextuberculatus Schedl: ♀ holotype; DE; Rio Dulce, Chaco de Santiago del Estero, Argentina.

PLATE CXX.

- X. sparsepilosus* Eggers: ♀ det. SLW; CDEL; 7 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, No. 626, SLW.
X. spathipennis Eichhoff: ♂ det. SLW; CDEL; Gromaco on Rio Coto Brus, Puntarenas, Costa Rica, 14-VII-1963, palm log, SLW.

PLATE CXXI.

- X. spathipennis*: ♀ det. SLW; CDEL; 30 km E Palmar, Bolivar, Venezuela, 12-VI-1970, No. 554, SLW.
X. spinulosus Blandford: ♀ det. SLW; CDEL; Finca Monasterios, Cacagua, Miranda, Venezuela, 1971, J.L. Saunders.

PLATE CXXII.

- X. squamulatus* Eichhoff: ♀ det. SLW; CDEL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, 1100 m, *Nectandra*, SLW.
X. subplanatus Eggers: ♀ holotype; DE; Cochabamba, Bolivia.
X. subductus Schedl: ♀ holotype; DE; V. Vera, Mato Grosso, Brazil.

PLATE CXXIII.

- X. tribulatus* Wood: ♀ det. SLW; CDEL; San Isidro, Valle del Cauca, Venezuela, 10-XI-1977, H. Schmitzenhofer.
X. tumucensis Hagedorn: ♀ det. SLW; CDEL; Rincon, Osa Peninsula, Costa Rica, 11-VIII-1966, 30 m, SLW.

PLATE CXXIV.

- X. vittosus* Schedl: ♀ det. SLW; DE; 8 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, No. 650, SLW.
X. volvulus (Fabricius): ♀ det. SLW; CDEL; 27 km NE Montoya, Colombia, 2-VII-1970, No. 589, SLW.

PLATE CXXV.

- Taurodemus bicornutus* Wood: ♀ det. SLW; CDEL; 40 km SE Socopo, Barinas, 25-I-1970, No. 264, SLW.
T. ebenus Wood: ♀ det. SLW; CDEL; Carton de Colombia forest, 8 km S Colonia, Valle del Cauca, 9-VII-1970, Colombia, SLW.

PLATE CXXVI.

- T. flavipes* (Fabricius): ♀ det. SLW; CDEL; Finca Monasterios, Cacagua, Venezuela, *Theobroma cacao*, J.L. Saunders.
T. splendidulus (Schaffnuss): ♂ det. SLW; CDEL; 30 km E Palmar, Bolivar, 12-VI-1970, No. 556, SLW.

PLATE CXXVII.

- T. splendidulus*: ♀ det. SLW; CDEL; same data as ♂.
T. varians (Fabricius): ♂ det. SLW; CDEL; Trinidad River Estate, 8-IV-1964, J.L. Saunders.

PLATE CXXVIII.

- T. varians*: ♀ det. SLW; CDEL; same data as ♂.

- T. varulus* Wood: ♀ paratype; CDEL; 13 km SW El Vigia, Merida, Venezuela, 22-X-1969, No. 76, SLW.

PLATE CXXIX.

- Xylosandrus compactus* (Eichhoff): ♀ det. SLW; CDEL; Davala, Nilgiri Hills, South India, X-1960, 3200 ft., P.S. Nathan.
X. curtulus (Eichhoff): ♀ det. SLW; CDEL; Volcan de Agua, Guatemala, 19-V-1964, 1000 m, SLW.

PLATE CXXX.

- X. laticeps* Wood: ♂ det. SLW; CDEL; Merida, Merida, Venezuela, 22-IX-1969, 1700 m, SLW.
X. laticeps: ♀ paratype; CDEL; 20 km SE El Vigia, Merida, Venezuela 21-IX-1969, *Jacaranda*, SLW.

PLATE CXXXI.

- X. morigerus* (Blandford): ♀ det. SLW; CDEL; 8 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, No. 641, SLW.
X. retusus (Eichhoff): ♀ det. SLW; CDEL; Nova Teutonia, Santa Catarina, Brazil, V-1956, F. Plaumann.

PLATE CXXXII.

- Xyleborinus bicornatulus* Wood: ♀ det. SLW; CDEL; Moravia, Cartago, Costa Rica, 2-III-1964, 500 m, log, SLW.
X. celatus Wood: ♀ det. SLW; CDEL; 8 km S Colonia, Valle del Cauca, Colombia, 9-VII-1970, No. 631, SLW.

PLATE CXXXIII.

- X. durus* (Wood): ♂ paratype; CDEL; Rincon, Osa Peninsula, Costa Rica, 11-VIII-1966, No. 94, SLW.
X. durus: ♀ paratype; CDEL; same data as ♂.

PLATE CXXXIV.

- X. gracilicornis* Schedl: ♀ holotype; DL; Guadeloupe Island.
X. gracilis (Eichhoff): ♀ det. SLW; CDEL; Nova Teutonia, Santa Catarina, Brazil, XI-1956, 300-500 m, F. Plaumann.

PLATE CXXXV.

- X. intersetosus* (Blandford): ♀ det. SLW; CDEL; La Lola, Limon, Costa Rica, J.L. Saunders.
X. buscki (Hopkins) (= *Xyleborus longulus* Schedl): ♀ holotype; DE; El Salvador.

PLATE CXXXVI.

- X. reconditus* (Schedl): ♀ det. SLW; CDEL; Finca Monasterios, Cacagua, Miranda, Venezuela, 1971, *Theobroma cacao*, J.L. Saunders.
X. saginatus Wood: ♀ paratype; CDEL; Sao Paulo, Brazil, D-D, C. Flechtmann.

PLATE CXXXVII.

- X. saxeseni* (Ratzeburg): ♀ det. SLW; DEL; Oak Creek Canyon, Arizona, USA, 1-VIII-1962, blacklight, SLW.
X. sentosus (Eichhoff): ♀ det. SLW; CDEL; Rondon, Parana, Brazil, 196_, 50 m, F. Plaumann.

CRYPHALINI

PLATE CXXXVIII.

- Stegomerus mirandus* Wood: ♀ paratype; CDEL; 12 km SW Caracas, Venezuela, 1-IV-1970, vine, SLW.
Neocryphus argentinensis Numburg: ♂ topotype; CDEL; Cordoba, Argentina, Davis.

PLATE CXXXIX.

- Acorthylus bosqi* (Schedl): ♀ holotype; DEL; Prov. de Jujuy, Argentina, IX-1928, J.M. Bosqi.
A. gracilis (Schedl): ♀ det. SLW; DE; 12 km S Calboza, Guarico, Venezuela, 6-12-II-1969, ultraviolet light, P.J. Spangler.

PLATE CXL.

- A. pruni* (Wood): ♀ paratype; CDEL; La Carbonera 50 km NW Merida, Merida, Venezuela, 6-IX-1969, No. 21, SLW.
Scolytogenes jalapae (Letzner): ♀ (?); CDEL; 6 km S Chiapa de Corzo, Chiapas, Mexico, 17-VI-1964, vine, SLW.

PLATE CXLI.

Hypocryphalus mangiferae (Stebbing): ♂ det. SLW; CDEL; La Foa, Nouvelle Caledonia, 12-VII-1996, *Mangifera indica*, B. Chauvea.
Cryptocarenus brevicollis Eggers: ♀ paratype; CDEL; 40 km SE Socopo, Barinas, Venezuela, 25-I-1970, No. 255, SLW.

PLATE CXLII.

C. diadematus: ♀ det. SLW; CDEL; 40 km E Socopo, Barinas, Venezuela, 25-I-1970, No. 248, SLW.
C. heveae (Hagedorn): ♀ det. SLW; CDEL; 20 km SW El Vigia, Merida, Venezuela, 21-IX-1969, No. 150-B, SLW.

PLATE CXLIII.

C. pilosus Eggers: ♀ paratype; CDEL; RS/RGS Exped., Brazil, 30-X-1968, c11/2, R.A. Beaver.
C. pubescens Wood: ♂ holotype; CDEL; 69 km N Manaus, Amazonas, Brazil, 7-XII-1979, G. Stevens.

PLATE CXLIV.

C. seriatus Eggers: ♀ det. SLW; CDEL; 3 km E Lagunillas, Merida, Venezuela, 12-I-1970, No. 236, SLW.
Hypothenemus aterrimus Schedl: ♀ lectotype; DEL; Cochabamba, Bolivia.

PLATE CXLV.

H. birmanus (Eichhoff): ♀ det. SLW; CDL; Key Largo, Florida, USA, 25-VI-1951, *Ardesia paniculata*, SLW/Playon, San Jose, Costa Rica, 9-VII-1963, 20 m, legume shrub, SLW.
H. erectus LeConte: ♀ det. SLW; CDEL; 20 mi. SW Veracruz, Veracruz, Mexico, 30-VI-1953, SLW.

PLATE CXLVI.

H. eximius Schedl: ♀ lectotype; DL; Nova Teutonia, Santa Catarina, Brazil, 1944, F. Plaumann.
H. hampei (Ferrari): ♀ det. SLW; CDEL; Jamaica, 23-IX-1980, coffee berry, A. Marsingh.

PLATE CXLVII.

H. novateutonicus Schedl: ♀ holotype; DL; Nova Teutonia, Santa Catarina, Brazil, 1946, F. Plaumann.
H. opacus (Eichhoff): ♀ det. SLW; CDEL; 8 km S Colonia, Valle del Cauca, Venezuela, 9-VII-1970, No. 620, SLW.

PLATE CXLVIII.

H. stigmatus Schedl: ♀ homotype; DL; Isla Martin Garcia, Buenos Aires, Argentina, 1-X-1921.

CORTHYLINI (PITYOPHTHORINA)

Styphlosoma boliviae (Schedl): ♂ holotype; CD; Do. Santo Cruz, Prov. Jaita, Buena Vista, Bolivia.
S. brasiliensis (Schedl): ♂ holotype; CD; Corcovado, Guanabara, Brazil, X-1970, Alvaranga.

PLATE CXLIX.

S. subulatum Wood: ♂ paratype; CDEL; 9 km S Barrancas, Barinas, Venezuela, 2-XII-1969, No. 165, SLW.
S. subulatum: ♀ paratype; CDEL; same data as ♂.

PLATE CL.

Araptus amazonicus (Eggers): ♂ det. SLW; CDEL; Maturin, Monagas, Venezuela, 5-II-1973, No. 620, D.H. Janzen.
A. frontis Wood (= *frontalis* Schedl): ♀ allotype; CD; Encruzilhada, Bahia, Brazil, XI-1972, 980 m, M. Alvaranga.

PLATE CLI.

A. hymenaeae (Eggers): ♂ det. SLW; CDEL; Guiana, *Cajanus indicus*, lot 12.
A. impensis (Wood): ♀ det. SLW; CDEL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 27-X-1969, 2500 m, SLW.

PLATE CLII.

A. limax (Schedl): ♂ det. SLW; CD; Nova Teutonia, Santa Catarina, Brazil, 1-I-1957, 500 m, F. Plaumann.
A. limax: ♀ det. SLW; CDEL; same data as ♂.

PLATE CLIII.

A. liminaris Wood: ♀ paratype; CDEL; 13 km SW El Vigia, Merida, Venezuela, 22-X-1969, No. 78, SLW.
A. mirus Wood: ♀ paratype; CDEL; 20 km W Merida, Merida, Venezuela, 10-X-1969, bejuco de chirica, SLW.

PLATE CLIV.

A. mucunae Blackman: ♂ det. SLW; CDEL; 40 km SE Socopo, Barinas, Venezuela, 7-II-1970, 150 m, *Mucuna*, SLW.
A. mucunicorus Wood: ♂ paratype; CDEL; Porce, Antioquia, Colombia, I-1977, *Mucuna* seeds, R. Velez.

PLATE CLV.

A. novateutonicus (Schedl): ♀ same data as holotype; CD; Nova Teutonia, Santa Catarina, Brazil, VIII-1941, F. Plaumann.
A. plaumannianus Wood (= *Brachydendrus plaumanni* Schedl): ♀ det. SLW; CDEL; Mato Grosso, Brazil, RS/RGS, R.A. Beaver.

PLATE CLVI.

A. plicatus Wood: ♂ paratype; CDEL; Merida, Merida, 7-X-1969, No. 43, bejuco negro, SLW.
A. rufopaliatus Eichhoff: ♂ det. SLW; CDEL; La Carbonera, 50 km NW Merida, Venezuela, 16-IX-1969, No. 21-B, SLW.

PLATE CLVII.

A. rufopaliatus: ♀ det. SLW; CD; same data as ♂.
A. uruguayensis Wood: ♀ paratype; CEL; Colonia del Sacramento, Colonia, Uruguay, 22-I-1977, J.J. Morrone.

PLATE CLVIII.

Dacnophthorus pertusus (Wood): ♀ paratype; CD; 20 km SW El Vigia, Merida, Venezuela, 21-XI-1969, No. 50-A, SLW.
Phelloterus tersus Wood: ♂ paratype; CDEL; Colonia Tovar, Aragua, Venezuela, 4-V-1970, No. 507, SLW.

PLATE CLIX.

Pseudopitophthorus colombianus Wood: ♂ paratype; CDEL; 10 km E Medellin, Antioquia, Colombia, 15-VII-1970, *Quercus humboldtii*, SLW.
Pityophthorus anticus Schedl: ♀ allotype; CD; Rio Negro, Para, Brazil, B-76, *Araucaria angustifolia*, J. Schoenherr.

PLATE CLX.

P. crotonis Wood: ♂ paratype; CDEL; 30 km E Merida, Merida, Venezuela, 8-I-1970, No. 210, *Croton*, SLW.
P. kuscheli Schedl: ♂ paratype; CDL; Chili (Chile), Coll. Paulsen.

PLATE CLXI.

P. mandibularis Schedl: ♂ paratype; CD; Nova Teutonia, Santa Catarina, Brazil, 1946, F. Plaumann.
P. splendens Wood: ♂ paratype; CDEL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 14-X-1969, No. 62, SLW.

PLATE CLXII.

P. venezuelensis Schedl: ♀ det. SLW; CDEL; 40 km E Canton, Barinas, Venezuela, 8-III-1970, No. 331, SLW.

CORTHYLINI (CORTHYLINA)

Gnathotrupes assiduus (Schedl): ♀ holotype; CDEL; Cerro Duida, Amazonas, Venezuela, 4-XI-1928, Ac. 29,500, Tate No. 99.

PLATE CLXIII.

G. colaphus Wood: sex?; DEL; La Carbonera 50 km Merida, Merida, Venezuela, 9-XII-1969, SLW.
G. consobrinus (Eichhoff): ♂ det. SLW; CDEL; Puerto Puyuhuapi, S Chile.

PLATE CLXIV.

G. consobrinus: ♀, det. SLW; CDEL; data same as for ♂.
G. fimbriatus (Schedl): ♀ lectotype; CDEL; P. Arenas, Termas de Puyehue, Chile; also ♂ allotype, ♀ holotype (= *frontalis* Schedl, CDEL, ♀ DEL).

LABEL DATA

PLATE CLXV.

G. herbertfranzi (Schedl): ♂ holotype; DE; Montealto, Megallanes, Chile, 3-XI-1977.

G. impressus (Schedl): ♀ paratype; CDEL; Puerto Varas, Chile, 24-II-1945, E.A. Chapin.

PLATE CLXVI.

G. kirkendalli Wood: ♀ holotype; DEL; Zurqui de Moravia, San Jose, Costa Rica, VI-1995, 1600 m, L.R. Kirkendall.

G. longipennis (Blanchard): ♂ det. SLW; CDEL; Bosque Quintero, Chile, 29-V-1968, J. Solervicens.

PLATE CLXVII.

G. nectandrae Wood: ♂?, paratype (head lost after photo taken); CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 23-IV-1970, No. 449, *Nectandra*, SLW.

G. neoadjunctus (Schedl): ♂ holotype; ACDEL; Nova Teutonia, Santa Catarina, Brazil; VIII-1966, 300-500 m, F. Plaumann.

PLATE CLXVIII.

G. pustulatus Schedl: ♀ holotype; DE; Nahuel Huapi National Park, Argentina, 22-IX-1971, *Nothofagus dombeyi*, K. Naumann.

Tricolus abacus Wood: ♂ paratype; CDEL; 11 km W Medellin, Antioquia, Colombia, 17-VII-1970, 689, *Vismia*, SLW.

PLATE CLXIX.

T. angustatus Wood: ♀ paratype; CDEL; 30 km E Palmar, Bolivar, Venezuela, 12-VI-1970, No. 566, *Suiipo*, SLW.

T. bicavus Wood: ♀ paratype; CDE; 30 km E Palmar, Bolivar, Venezuela, No. 566, *Suiipo*, SLW.

PLATE CLXX.

T. collaris (Blandford): ♂ det. SLW; L; Tapanti, Cartago, Costa Rica, 17-IX-1963, No. 178, SLW.

T. coloreus Wood: ♀ paratype; DL; La Mucuy, 20 km W Merida, Merida, Venezuela, 20-X-1969, No. 72, bromeliad, SLW.

PLATE CLXXI.

T. intrusus Wood: ♀ paratype; CDL; 12 km SW Caracas, Venezuela, 1-V-1970, No. 475, *Cecropia* leaf petiole, SLW.

T. myrti Wood: ♂ paratype; DL; 11 km W Medellin, Antioquia, Colombia, 17-VII-1970, No. 690, *Myrtus*, SLW.

PLATE CLXXII.

T. parvus Wood: ♀ paratype; CDE; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 420, *Tabebuia*, SLW.

T. plaumanni Schedl: ♀ det. SLW; CDEL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 431, *Nectandra*, SLW.

PLATE CLXXIII.

T. scitulus Wood: ♀ det. SLW; CDEL; La Carbonera 50 km NW Merida, Merida, Venezuela, 28-IV-1970, No. 453, SLW.

T. subopacus Wood: ♂, det. SLW; DEL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 420, *Tabebuia*, SLW.

PLATE CLXXIV.

Amphicranus acus Wood: ♂ paratype; DL; 12 km SW Caracas, Venezuela, 1-V-1970, No. 457, SLW.

A. attenuatus Wood: ♀ paratype; DL; 11 km E Medellin, Antioquia, Colombia, 15-X-1970, No. 668, SLW

PLATE CLXXV.

A. cracens Wood: ♂ paratype; DL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 431, SLW.

A. dohrni (Eichhoff): ♂ det. SLW; DL; Nova Teutonia, Santa Catarina, Brazil, IX-1956, F. Plaumann.

PLATE CLXXVI.

A. dorni: ♀, det. SLW; DL; same data as ♂.

A. thoracicus Erichson (= *elegans* Schedl): ♂ SLW homotype; DL; 67 km N Manaus, Amazonas, Brazil, 7-XII-1979, G. Stevens.

PLATE CLXXVII.

A. explicitus Wood: ♂ paratype; DL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 14-X-1969, No. 50, SLW.

A. laureli Wood: ♂ paratype; DL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 10-IX-1969, No. 225, SLW.

PLATE CLXXVIII.

A. spinachius (Schedl): ♂ det. Schedl; DL; Nova Teutonia, Santa Catarina, Brazil, 1952, F. Plaumann.

A. terebella Blandford: ♂ det. SLW; DL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 444-A, SLW.

PLATE CLXXIX.

Monarthrum amphicranoides (Schedl): ♂ holotype; DEL; Nova Teutonia, Santa Catarina, Brazil, VIII-1941, F. Plaumann.

M. bicallosum (Schedl): ♂ det. Schedl; DEL; Nova Teutonia, Santa Catarina, Brazil, IV-1940, F. Plaumann.

PLATE CLXXX.

M. bicallosum: ♀ det. Schedl; DEL; same data as ♂ except VIII-1939.

M. bicolor (Ferrari): ♂ det. SLW; DEL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 14-X-1969, No. 50-A, *Clusia*, SLW.

PLATE CLXXXI.

M. bicolor: ♀ SLW homotype; CDL; same data as ♂.

M. bicoloratum Wood: ♂ paratype; DEL; Mile 10 Bartica-Potaro Road, Guiana, X-1948-III-1949, *Caryocare nuciferum*, D.J. Atkinson.

PLATE CLXXXII.

M. bifoveatum Wood: ♂ det. SLW; DEL; 12 km SW Caracas, Venezuela, 1-V-1970, No. 512, SLW.

M. bifoveatum: ♀ det. SLW; CDEL; same data as ♂.

PLATE CLXXXIII.

M. bituberculatum Wood: ♀ paratype; DEL; 12 km SW Caracas, Venezuela, 1-V-1970, No. 457, SLW.

M. bituberculatum: ♀ paratype; DEL; same data as ♂.

PLATE CLXXXIV.

M. carinifrons Wood: ♂ paratype; DEL; Teleferico, Merida, Merida, Venezuela, 3-I-1970, No. 217, *Clusia*, SLW.

M. carinifrons: ♀ paratype; DEL; same data as ♂.

PLATE CLXXXV.

M. chapuisi Kirsch: ♂ SLW homotype; DEL; vic. Chachapoyas, Dep. Amazonas, Peru, 10-VII-1936, 2000 m, F. Woytkowski.

M. cristatum (Ferrari): ♀ neotype; DEL; Moritz 1758 (Colonia Tovar?), Aragua, Venezuela.

PLATE CLXXXVI.

M. dimidiatum (Ferrari): ♂ det. SLW; DEL; 12 km SW Caracas, Venezuela, 1-V-1970, No. 458, SLW.

M. dimidiatum: ♀ det. SLW; CDE; same data as ♂.

PLATE CLXXXVII.

M. minutum Schedl (= *distans* Schedl): ♂ det. SLW; DEL; 12 km SW Caracas, Venezuela, 1-V-1970, No. 458, SLW.

M. exornatum (Schedl): ♂ det. SLW; DEL; Apulco, Puebla, Mexico, 5-IV-1981, T.H. Atkinson.

PLATE CLXXXVIII.

M. fimbraticorne (Blandford): ♂ det. SLW; CDEL; San Jose, San Jose, Costa Rica, 22-X-1963, No. 188, SLW.

M. fimbraticorne: ♀ det. SLW; CDEL; same data as ♂.

PLATE CLXXXIX.

M. gracilior (Schedl): ♂ det. SLW; DEL; Nova Teutonia, Santa Catarina, Brazil, IV-1944, F. Plaumann.

M. gracilior: ♀ det. SLW; CDEL; 10 km W Medellin, Antioquia, Colombia, 17-VII-1970, No. 692, *Weinmania*, SLW.

PLATE CXC.

M. granulosum Wood: ♂ paratype; DEL; Merida, Merida, Venezuela, 29-II-1970, No. 336, SLW.

M. granulosum: ♀ paratype; DEL; same data as ♂.

PLATE CXCI.

M. hagedorni (Schedl): ♂ det. SLW; DEL; 8 km SW Bumbum, Barinas, Venezuela, 11-II-1970, No. 312, *Protium*, SLW.

M. hagedorni: ♀ det. SLW; DEL; same data as ♂.

PLATE CXCH.

M. ingens (Eichhoff): ♂ det. SLW; DEL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 14-X-1969, No. 123, log, SLW.

M. ingens: ♀ det. SLW; CDL; same data as ♂.

PLATE CXCHII.

M. intermedium Schedl: ♂ homotype; DEL; vic. Shishmar, Dep. Huanuco, Peru, 15-20-IX-1937, No. 3787, F. Woytkowski.

M. laevigatum (Eichhoff): ♂ det. SLW; DEL; Urubici, Santa Catarina, Brazil, 1975, apple.

PLATE CXCV.

M. laterale (Eichhoff): ♂ det. SLW; CDEL; Rancho Grande, Aragua, Venezuela, 9-VII-1970, No. 413, SLW.

M. laterale: ♀ det. SLW; CDEL; same data as ♂.

PLATE CXCV.

M. lobatum Ferrari: ♂ det. SLW; DEL; 12 km SW Caracas, Venezuela, 14-V-1970, No. 474, SLW.

M. lobatum: ♀ det. SLW; CDEL; same data as ♂.

PLATE CXCVI.

M. lobellum Wood: ♀ holotype; CDL; Jalapa, Veracruz, Mexico, 23-VIII-1983, *Leucana pulverulenta*, FA. Noguera.

M. marcidum (Schedl): ♂ holotype; DEL; Yungas del Palmar, Bolivia, 10-X-1950.

PLATE CXCVII.

M. nudum Schedl: ♀ SLW homotype = holotype of *appendiculatum* Schedl; DEL; Nova Teutonia, Santa Catarina, Brazil, VI-1966, F. Plaumann.

M. obesum (Schedl): ♀ holotype; DEL; "Peru."

PLATE CXCVIII.

M. obscurum Wood: ♂ paratype; DEL; 12 km SW Caracas, Venezuela, 1-V-1970, No. 459, SLW.

M. obscurum: ♀ paratype; DEL; same data as ♂; also ♂ holotype = *quadridentatum* Eggers, CDL, "Venezuela."

PLATE CXCVI.

M. parvum (Eggers): ♂ det. SLW; DEL; San Isidro, Valle del Cauca, Colombia, 10-IX-1977, *Dialyanthera cordonifolis*.

M. parvum: ♀ det. SLW; DEL; same data as ♂.

PLATE CC.

M. peruanum (Schedl): ♂ holotype; DEL; "Peru."

M. quadridens (Eichhoff): ♂ holotype = *brasiliensis* Schedl holotype; DEL; Nova Teutonia, Santa Catarina, Brazil; VII-1957, F. Plaumann.

PLATE CCI.

M. quadridens: ♀ allotype of *brasiliensis*; DEL; same data as ♂.

M. robustum (Schedl): ♂ det. SLW; DEL; Santa Ana, San Jose, Costa Rica, 9-X-1963, No. 228, SLW.

PLATE CCII.

M. robustum: ♀ det. SLW; DEL; same data as ♂.

M. septulosum Wood: ♂ holotype; DEL; El Bosque, Cacedonia, Valle de Cauca, Colombia, VI-1959, J. Restrepo.

PLATE CCIII.

M. bicolor Ferrari (= *sexdentatum* Eggers): ♀ allotype renamed as ♂ holotype of *M. eggersi* Wood; DEL; Cochabamba, Bolivia.

M. subductum (Schedl): ♂ holotype; DEL; Torantoy Canyon, base Machu-Picchu, Peru, V-VII-1964, B. Molkin.

PLATE CCIV.

M. sulcipenne (Schedl): ♂ holotype; DEL; Torantoy Canyon, base Machu-Picchu, Peru, V-VII-1964, B. Molkin.

M. surinamensis Wood: ♂ paratype; DE; Jodensavane, Camp 8, Suriname, 1969, Schultz.

M. surinamensis Wood: ♀ allotype; L; same data as ♂.

PLATE CCV.

Metacorthylus costatulus Wood: ♂ holotype; DEL; Braulio Carillo, Costa Rica, 1987, G. Stevens.

M. mutilus Wood: ♂ holotype; DEL; Sherman, Canal Zone, Panama, 10-XI-1952, SLW.

PLATE CCVI.

M. mutilus: ♀ allotype; CDEL; same data as ♂.

M. subcostatulus Wood: ♂ holotype; DEL; Colonia Tovar, Aragua, Venezuela, 4-V-1970, 1700 m, SLW.

PLATE CCVII.

M. subtruncatus (Schedl): ♂ det. SLW; CDEL; Colonia Tovar, Aragua, Venezuela, 6-V-1970, No. 477, SLW.

M. subtruncatus: ♀ holotype; CDEL; Cauca, Colombia.

PLATE CCVIII.

M. truncatorus (Schedl): ♂ paratype; CDEL; Nova Teutonia, Santa Catarina, Brazil, 1944, F. Plaumann.

M. truncatorus: ♀ paratype; CDEL; same data as ♂.

PLATE CCIX.

M. velutinus (Wood): ♂ paratype; CDEL; Moravia, Cartago, Costa Rica, 11-III-1964, SLW.

M. velutinus: ♀ paratype; CDEL; same data as ♂.

PLATE CCX.

M. volvulus (Chapuis): ♀ homotype; DEL; Merida, Merida, Venezuela, 3-I-1970, No. 217, *Clusia*, SLW.

Microcorthylus concisus Wood: ♂ det. SLW; CDL; 12 km SW Caracas, Venezuela, 1-V-1970, No. 470, SLW.

PLATE CCXI.

M. puerulus Schedl (= *contractus* Wood): ♂ paratype; CDL; 7 km W Socopo, Barinas, Venezuela, 13-II-1970, No. 322, *Nectandra*, SLW.

M. curtus Wood: ♂ paratype; CDL; El Vigia, Merida, Venezuela, 10-XII-1969, No. 190, SLW.

PLATE CCXII.

M. diversus Wood: ♂ paratype; CDEL; La Carbonera 50 km NW Merida, Merida, Venezuela, 10-IX-1969, No. 126, *Nectandra*, SLW.

M. grandeclavatus Eggers: ♂ det. SLW; CDL; Volcan Chiriqui, Panama, 11-I-1964, SLW.

PLATE CCXIII.

M. minimus Schedl: ♂ det. Schedl; CDL; Merida, Merida, Venezuela, 29-XII-1969, No. 214, *Miconia*, SLW.

M. obscurus Eggers: ♂ homotype; CDL; vic. Cunyabampa, Peru; 4-VIII-19__, Lot 3617, F. Woytkowski.

PLATE CCXIV.

M. parvulus Ferrari: ♂ det. SLW; CDL; Merida, Merida, Venezuela, 22-IX-1969, SLW.

M. puerulus Schedl: ♂ det. SLW; CDL; Nova Teutonia, Santa Catarina, Brazil, IX-1956, F. Plaumann.

PLATE CCXV.

M. suggrandis Schedl: ♂ det. SLW; CDL; Nova Teutonia, Santa Catarina, Brazil, X-1956, F. Plaumann.

M. umbraticus Wood: ♂ det. SLW; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 10-XI-1969, *Nectandra*, SLW.

PLATE CCXVI.

Corthyloxiphus emarginatus (Eggers): ♂ det. SLW; CDL; Tingo Maria, Monson Valley, Peru, 23-IX-1956, E.I. Schlinger & E.S. Ross.

C. punctatus (Wood): ♀ paratype; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 14-XI-1969, No. 135, SLW.

LABEL DATA

PLATE CCXVII.

C. truncatus (Wood): ♀ holotype; CDEL; 13 km SW El Vigia, Merida, Venezuela, 22-X-1969, No. 95, SLW.

C. usticus (Wood): ♀ paratype; CDL; La Carbonera 50 km NW Merida, Merida, Venezuela, 9-XII-1969, No. 134-B, SLW.

PLATE CCXVIII.

Brachyspartus moritzi Ferrari: ♀ homotype; CDEL; Rancho Grande, Aragua, Venezuela, 22-23-II-1971, H. & A. Howden.

Corthylocurus barbatus (Blandford): ♀ det. SLW; CDL; Teziutlan, Puebla, Mexico, 2-VII-1967, No. 149, SLW.

PLATE CCXIX.

C. moritzi Wood: ♀ det. SLW; CDL; Colonia Tovar, Aragua, Venezuela, 4-V-1970, No. 484, Melastomaceae, SLW.

C. reticulatus Wood: ♀ det. SLW; CDL; Escasu, San Jose, Costa Rica, 2-X-1963, No. 218, SLW.

PLATE CCXX.

C. vernaculus (Schedl): ♀ det. Schedl; CDL; Nova Teutonia, Santa Catarina, Brazil, 1-VIII-1961, F. Plaumann.

Corthylys abbreviatus Eichhoff: ♀ det. SLW; CDL; Merida, Merida, Venezuela, 29-XII-1969, No. 208, *Ficus*, SLW

PLATE CCXXI.

C. additus Wood: ♀ paratype; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 10-XI-1969, No. 123, SLW.

C. attenuatus Wood: ♀ paratype; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 9-XII-1969, *Nectandra*, SLW.

PLATE CCXXII.

C. castaneus Ferrari: ♀ det. SLW; CDL; La Carbonera, 50 km NW Merida, Merida, Venezuela, 14-X-1969, No. 50, *Clusia*, SLW.

C. cecropii Wood: ♀ paratype; CDL; Turrialba, Cartago, Costa Rica, 5-VII-1963, *Cecropia* petioles, SLW.

PLATE CCXXIII.

C. cirrifer Wood: ♀ holotype; CDL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 413, SLW.

C. cirritus Wood: ♀ paratype; CDL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 445, SLW.

PLATE CCXXIV.

C. compressicornis (Fabricius): ♀ det. SLW homotype; CDEL; Campamento Rio Grande, 30 km E Palmar, Bolivar, 12-VI-1970, 200 m, *Alexa imperatricia*, SLW.

C. convexifrons Wood: ♀ paratype; CDL; La Carbonera 50 km NW Merida, Merida, Venezuela, 9-XII-1969, No. 174, *Nectandra*, SLW.

PLATE CCXXV.

C. donaticus Wood: ♀ homotype; CDL; Colonia Tovar, Aragua, Venezuela, 6-V-1970, No. 497, SLW.

C. excisus Ferrari: ♀ det. SLW; CDL; La Carbonera, 50 km NW Merida, Merida, 10-XI-1969, SLW.

PLATE CCXXVI.

C. letzneri (Ferrari): ♀ det. SLW; CDL; Merida, Merida, Venezuela, 11-IX-1969, SLW.

C. macrocerus Eichhoff: ♀ holotype; CDL; Cassilla, Quito, Ecuador, 14-VI-1954, No. 6261.

PLATE CCXXVII.

C. panamensis Blandford: ♀ det. SLW; CDL; Rincon, Osa Peninsula, Costa Rica, 11-VIII-1966, No. 5, *Bursera simarubra*, SLW.

C. peruanus Schedl: ♀ det. Schedl; CDL; 12 km SW Caracas, 1-V-1970, No. 458, SLW.

PLATE CCXXVIII.

C. pinguis Wood: ♀ holotype; CDL; 30 km E Palmar, Bolivar, Venezuela, 12-VI-1970, No. 557, *Alexa imperatricia*, SLW.

C. robustus Schedl: ♂ det. SLW; DEL; Brazil, J.L. Saunders.

PLATE CCXXIX.

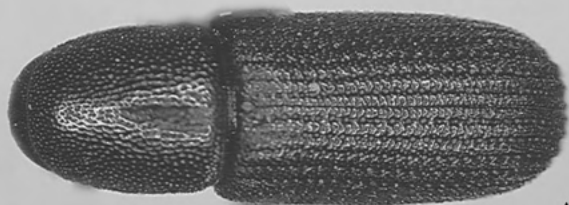
C. sanguineus Schedl: ♀ det. SLW; CDL; Pto. Tejada, Valle del Cauca, Colombia, 22-VIII-1955, Cacao, M. Benavides, No. 6881.

C. truncatus Wood: ♀ holotype; CDL; vic. Leonpampa, Dep. Huanuco, Peru, VI-1937, No. 88, jungle, F. Woytkowski.

PLATE CCXXX.

C. tuberosus Wood: ♀ det. SLW; CDL; Rancho Grande, Aragua, Venezuela, 9-IV-1970, No. 433, Guttiferae, SLW.

C. villosus Wood: ♀ det. SLW; CDL; Merida, Merida, 11-IX-1963, No. 2, *Piper*; SLW.



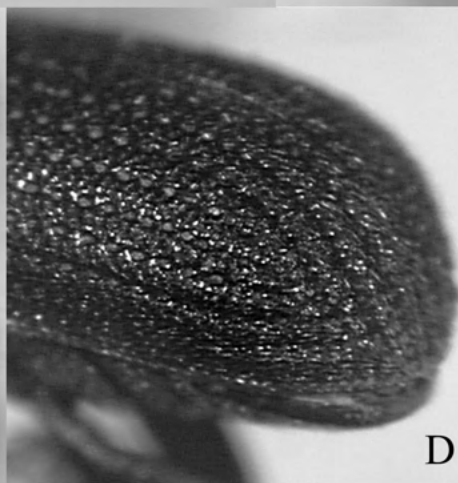
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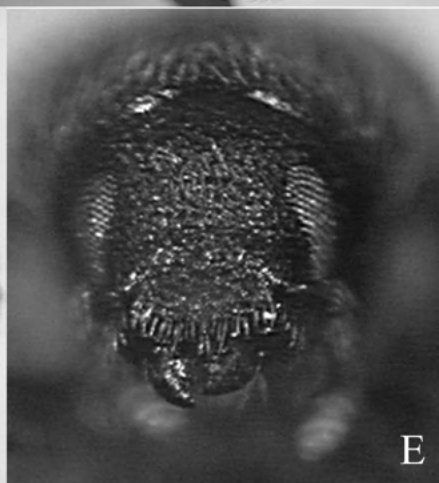
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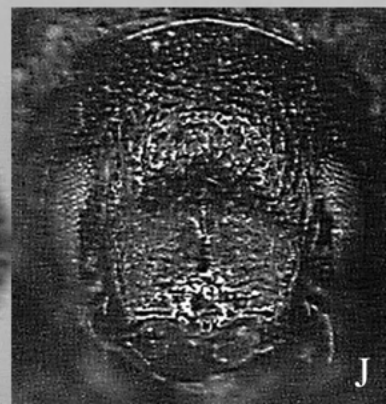
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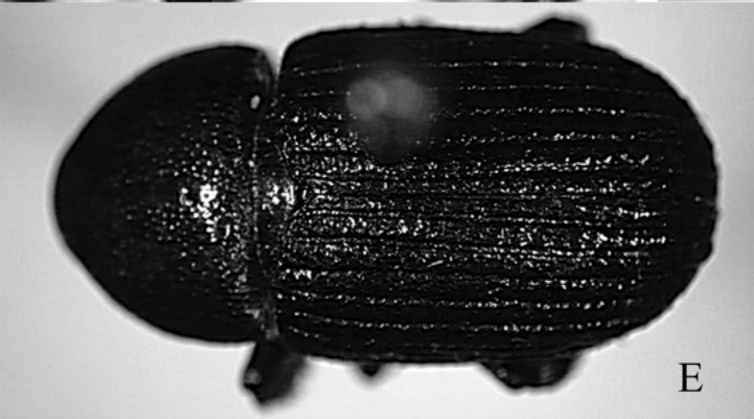
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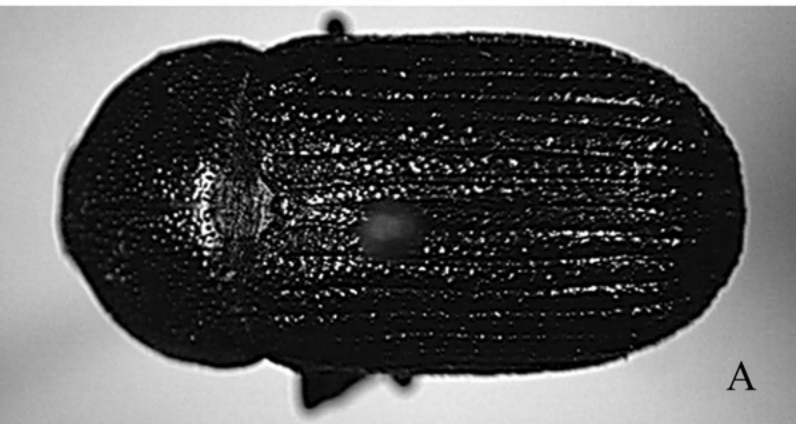


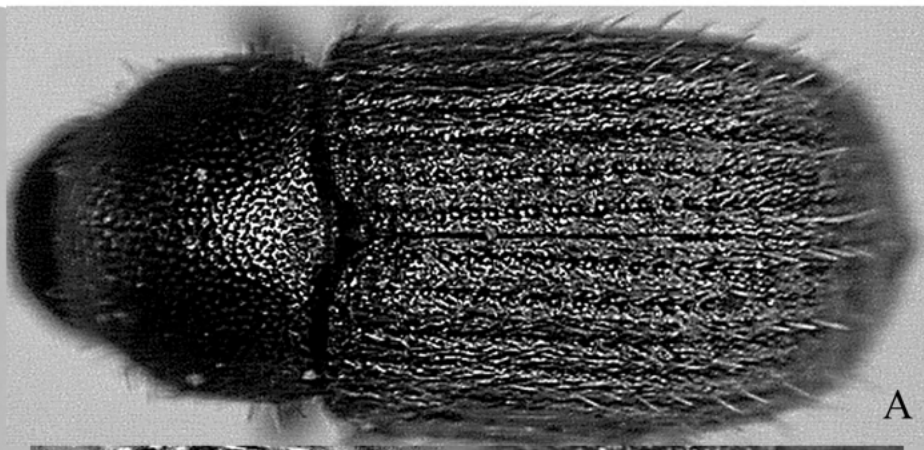
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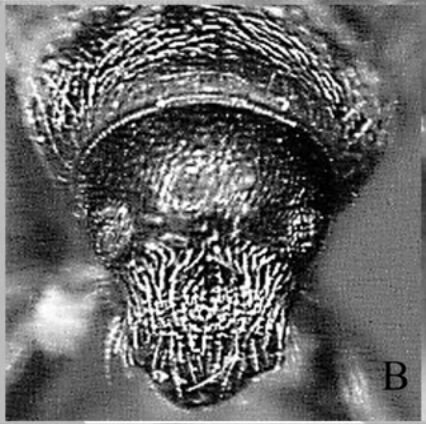
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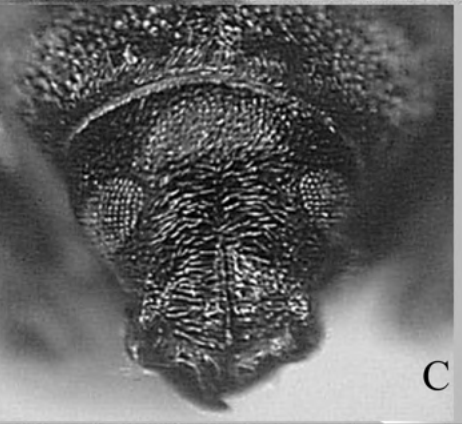




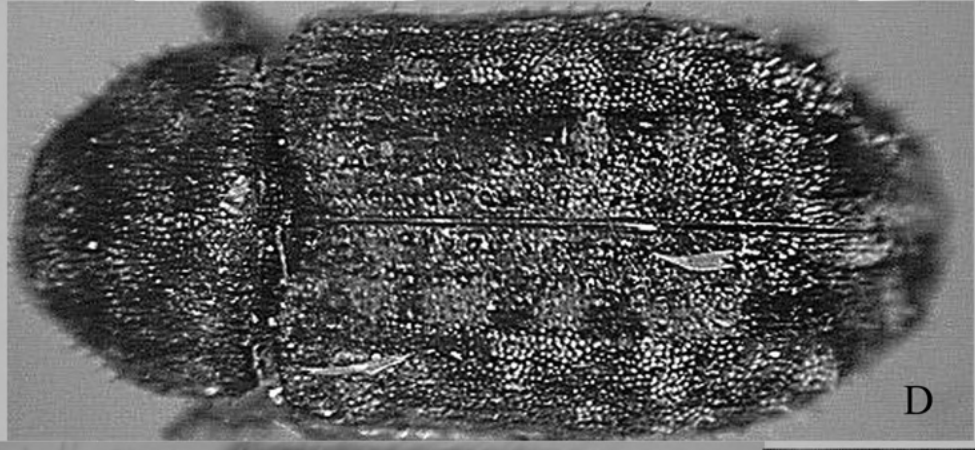
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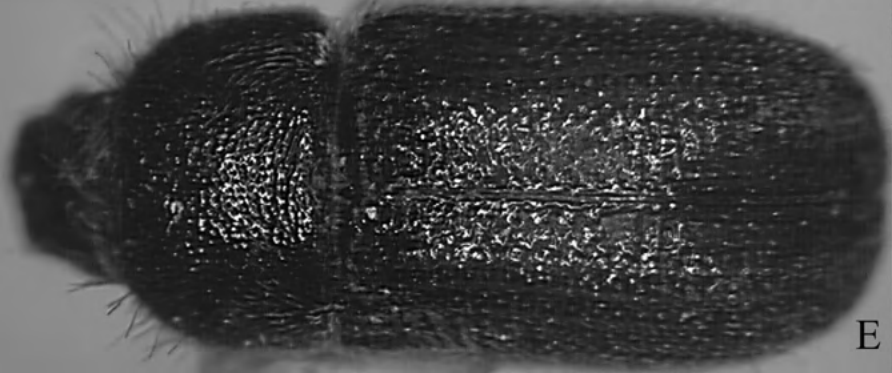
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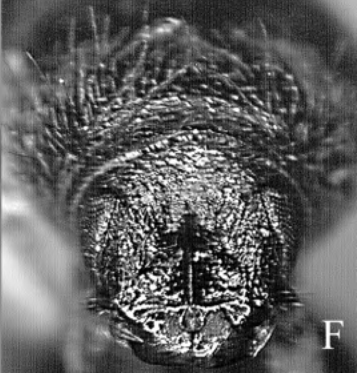
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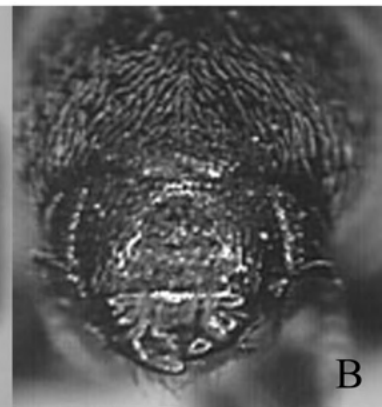
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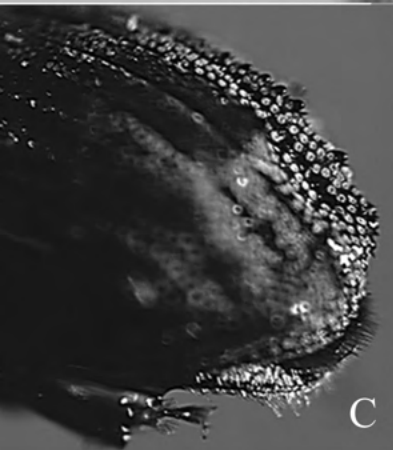
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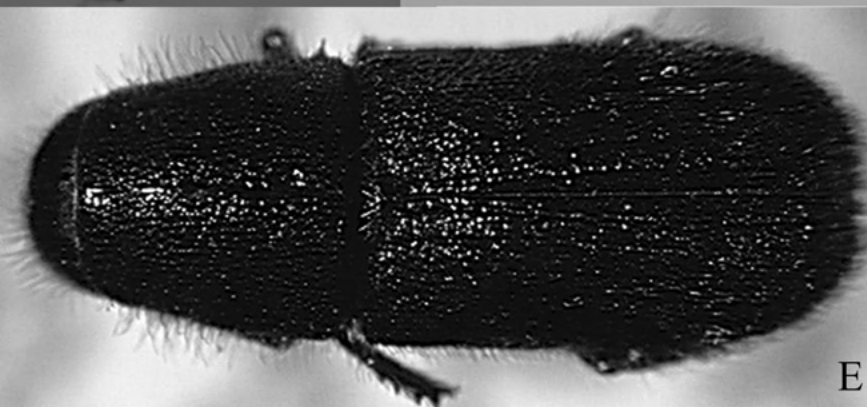
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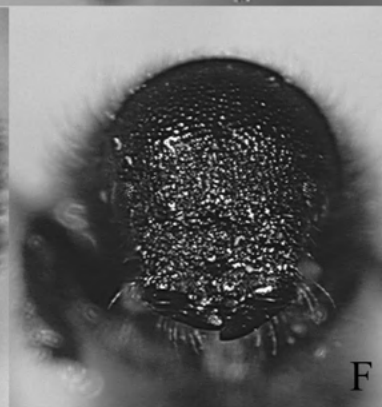
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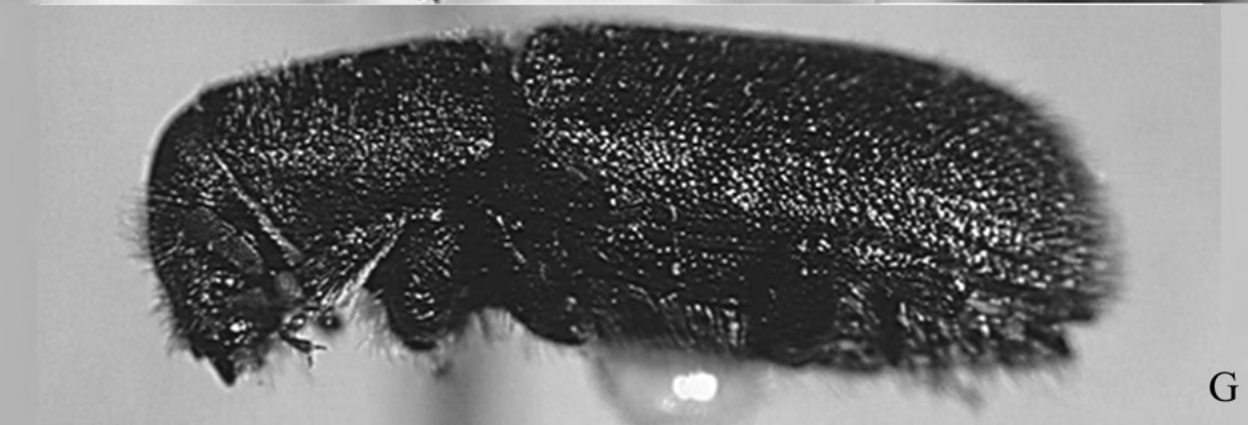
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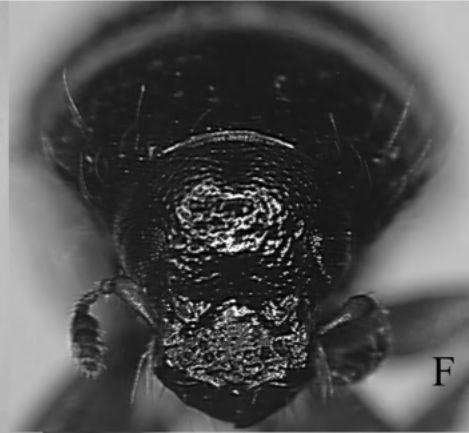
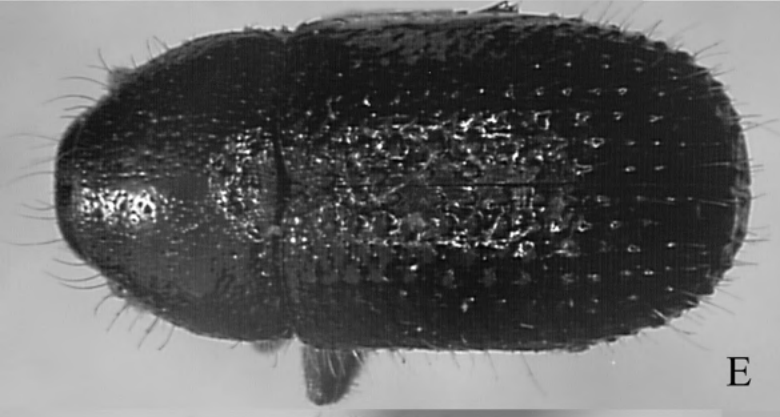
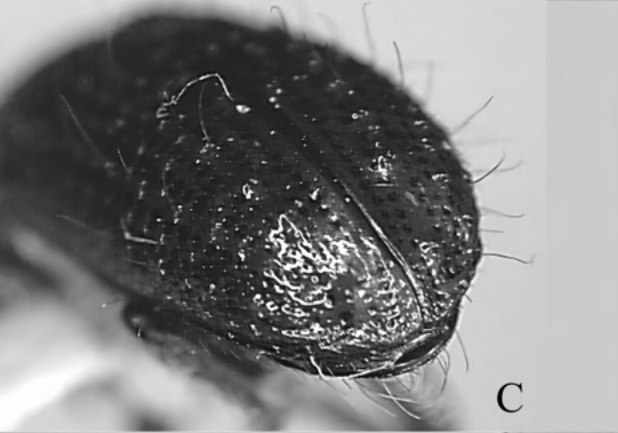
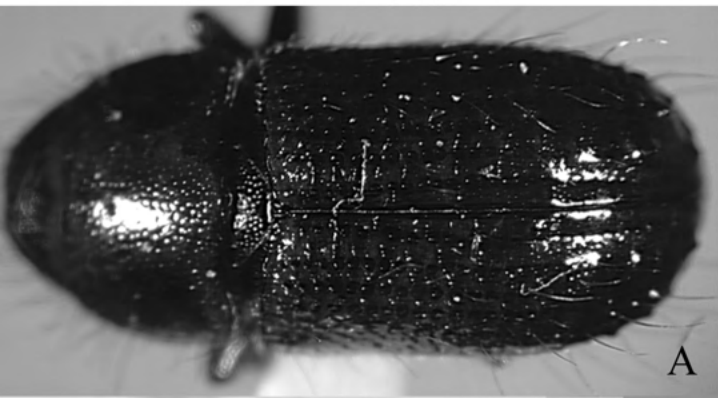
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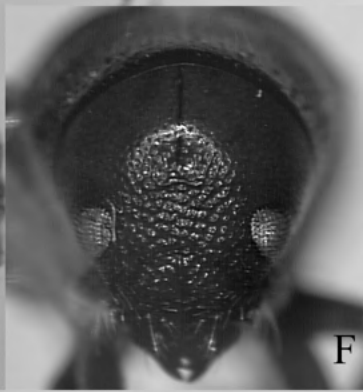
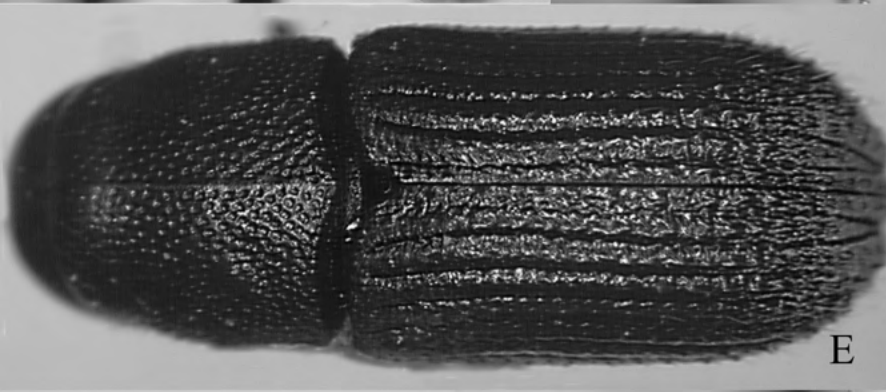
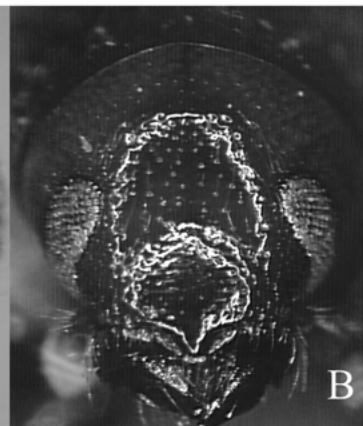
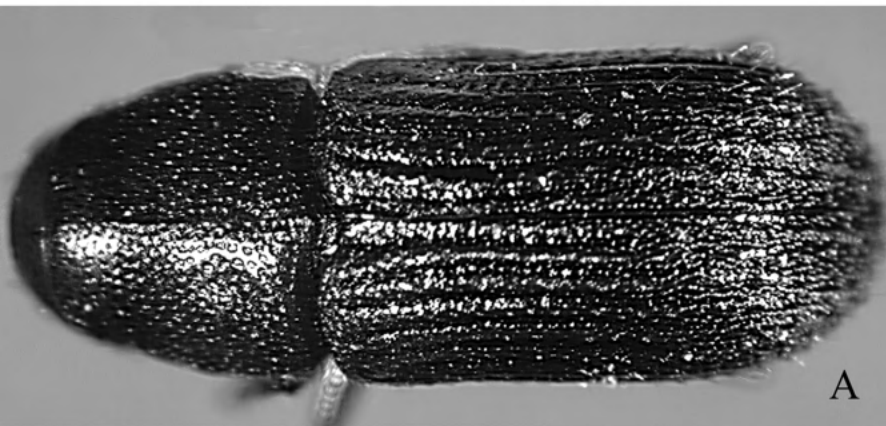


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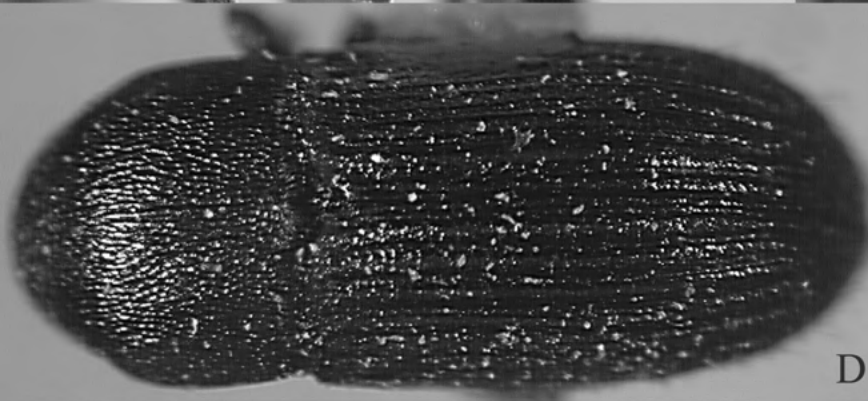
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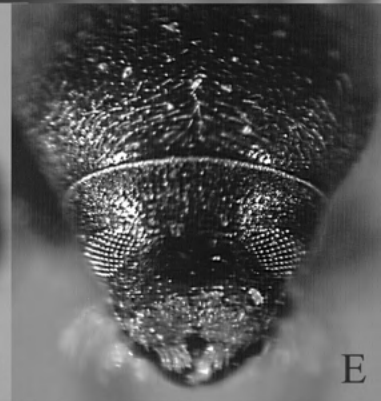
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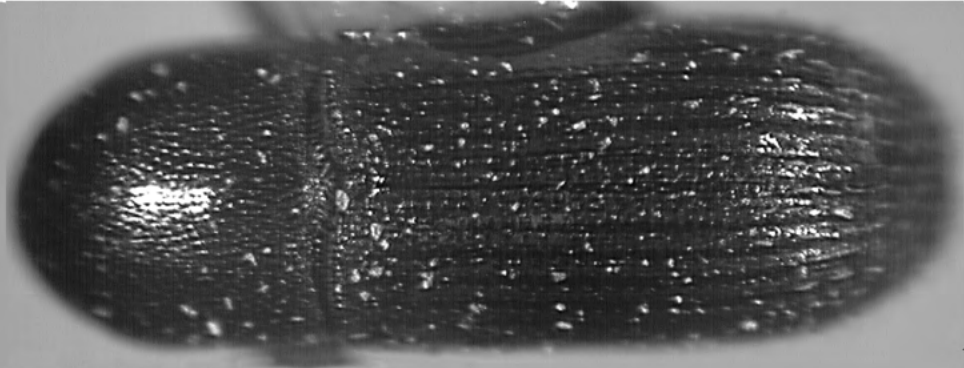
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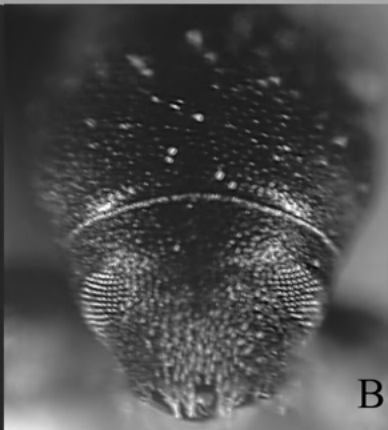
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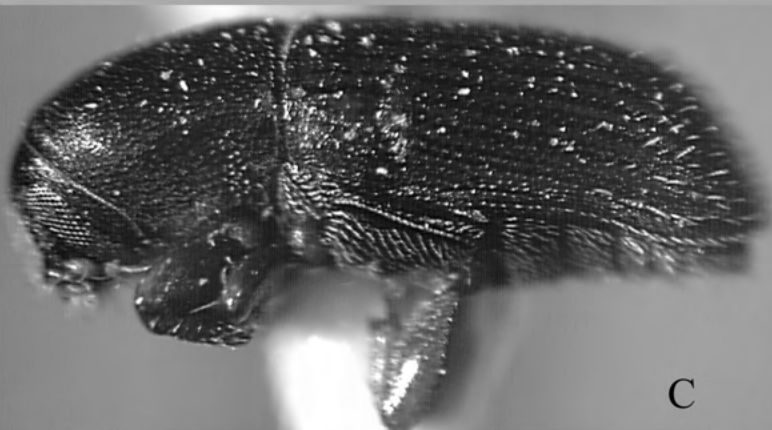
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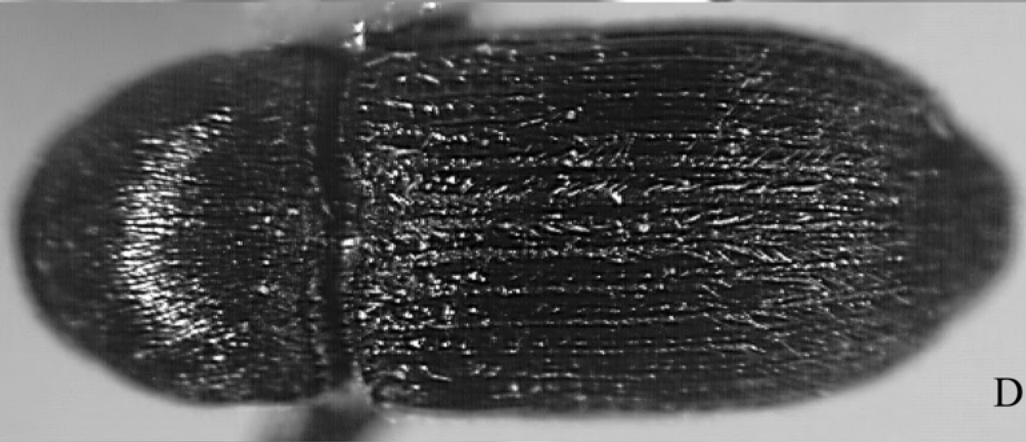
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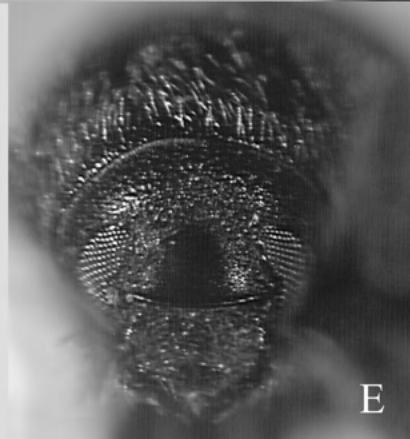
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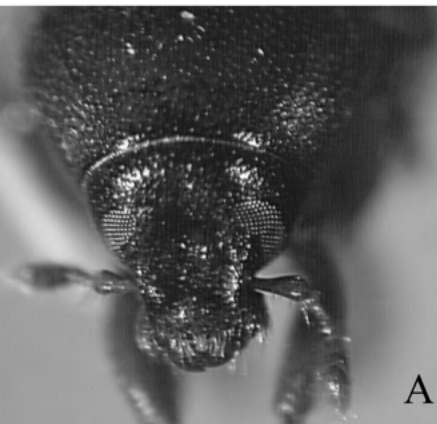
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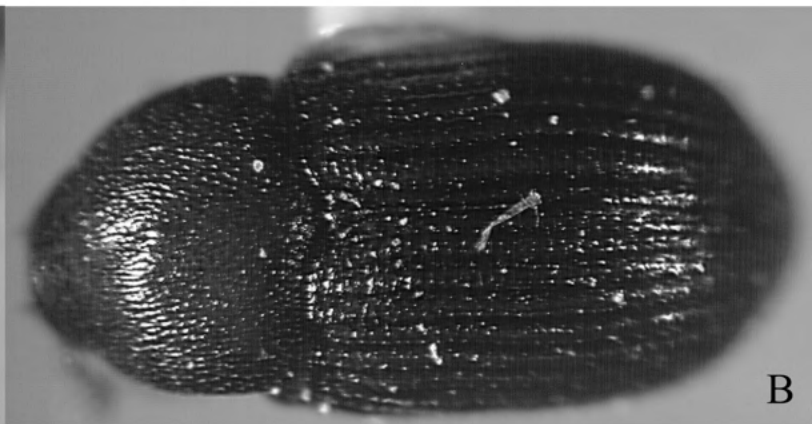
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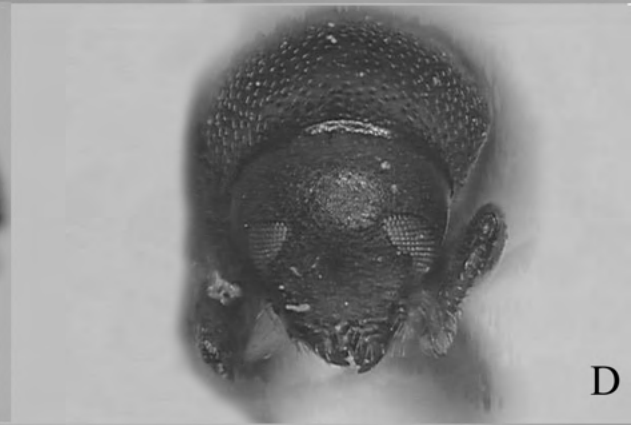
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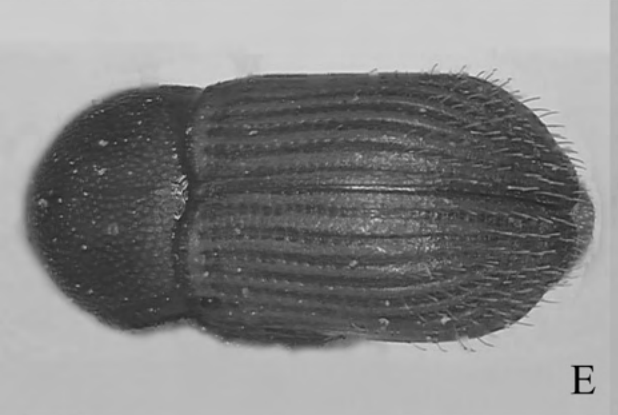
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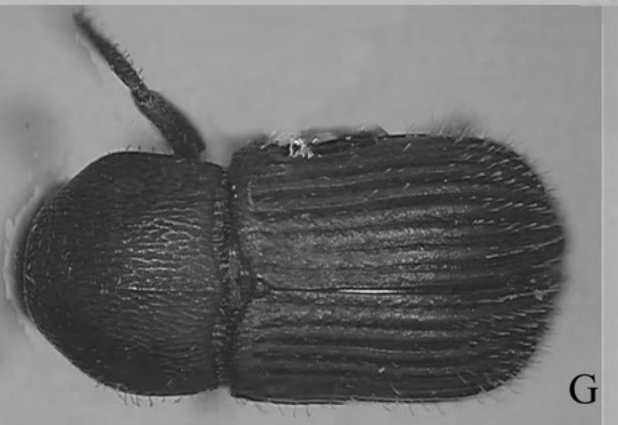
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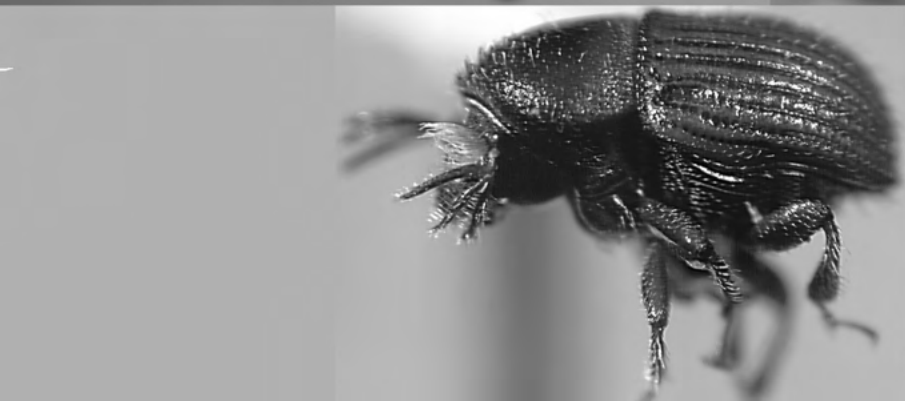
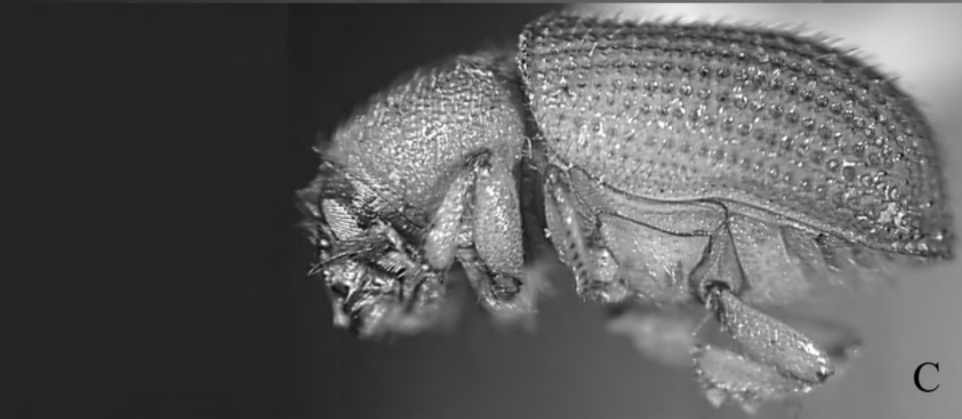
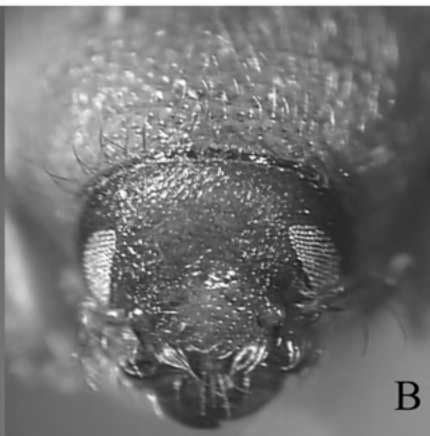
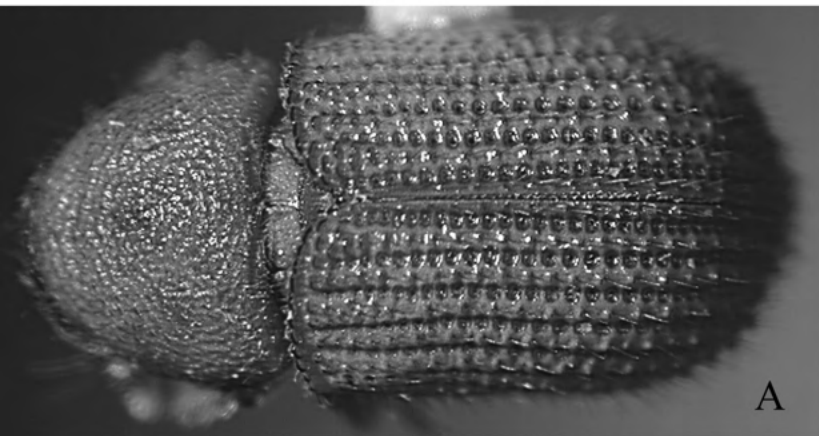
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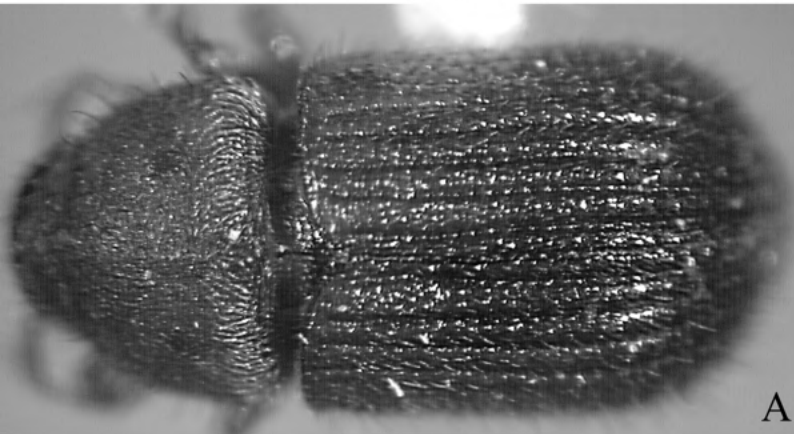
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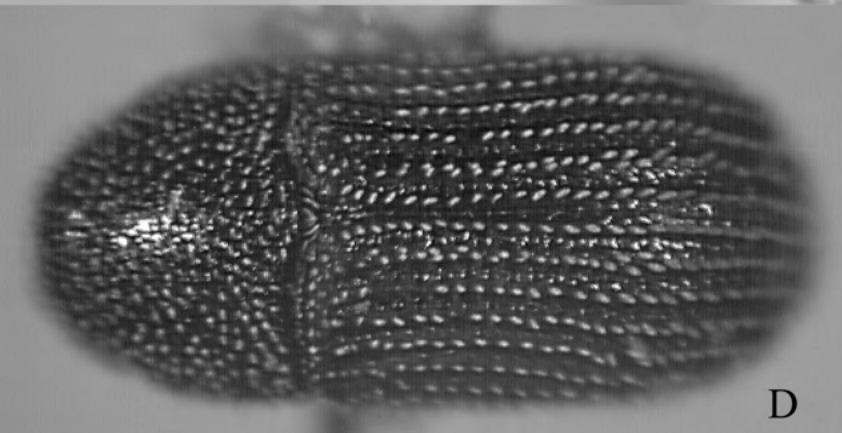
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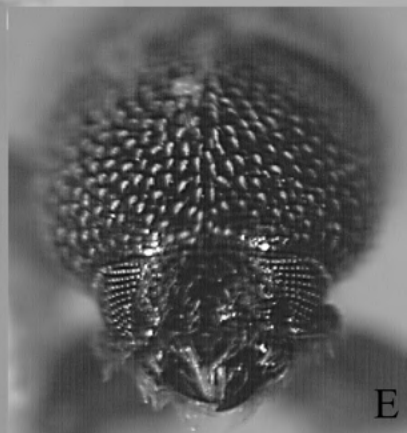
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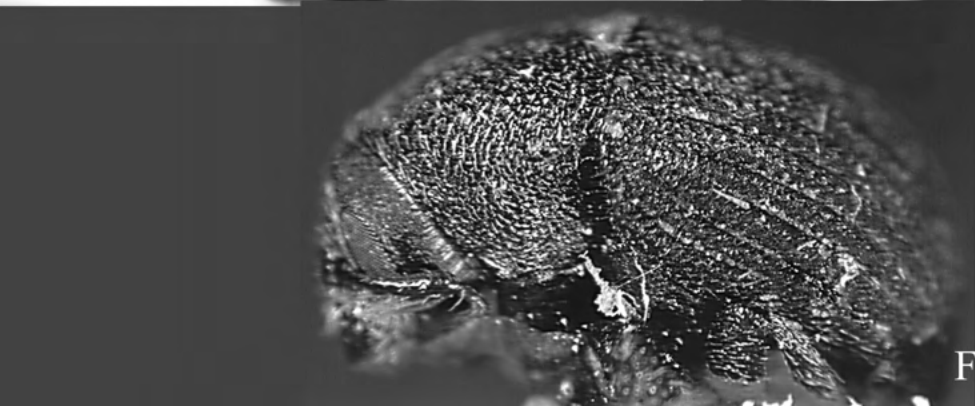
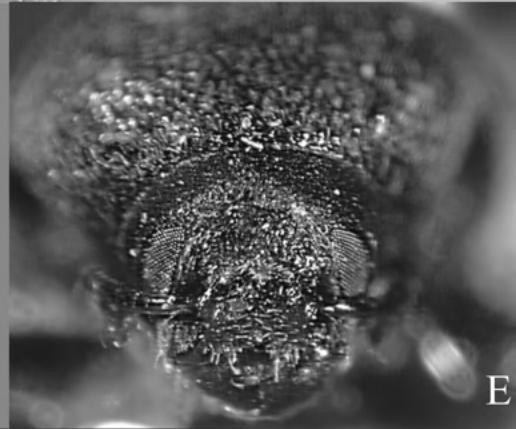
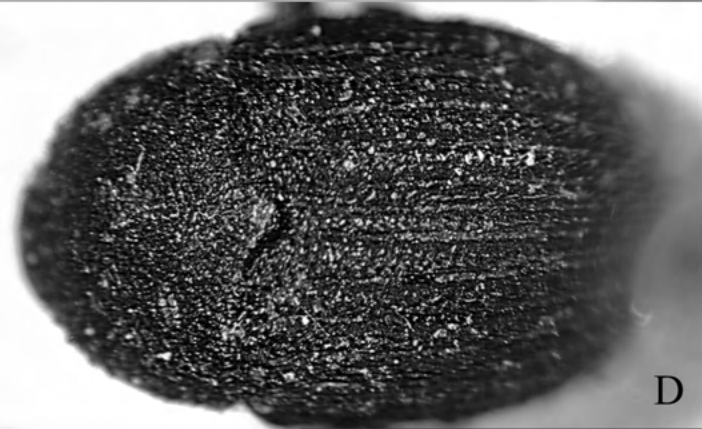
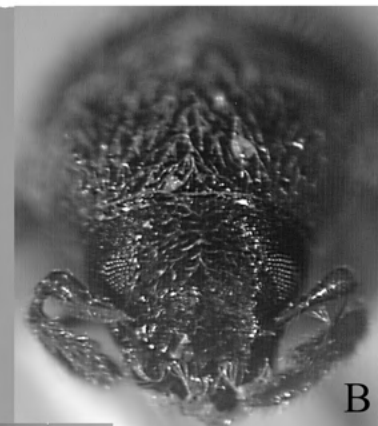
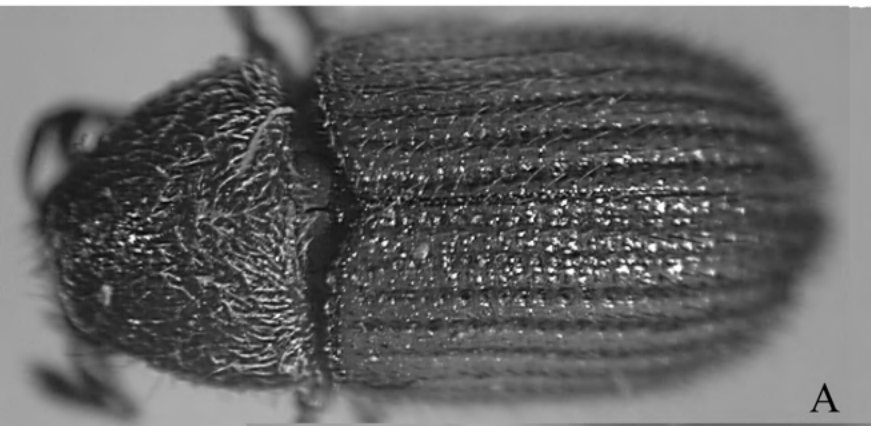
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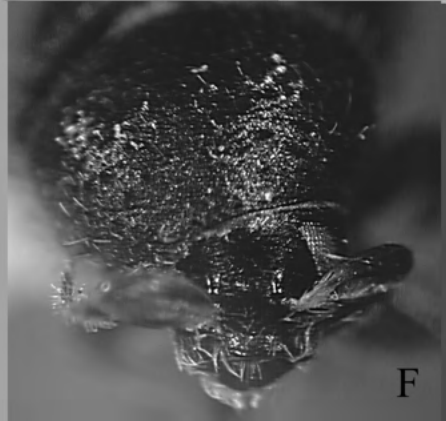
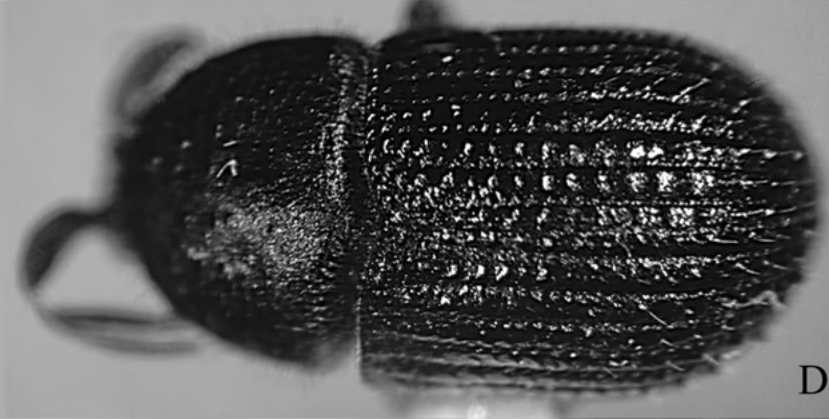
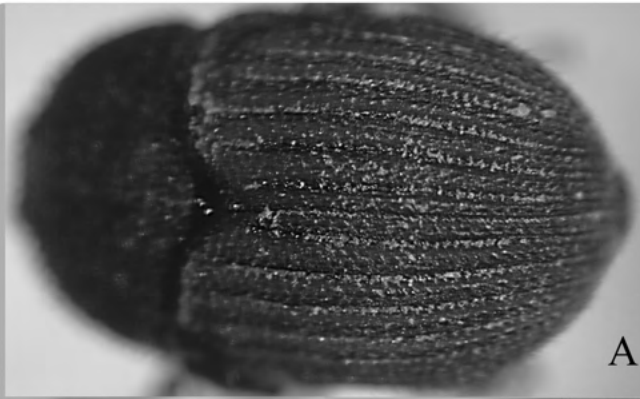


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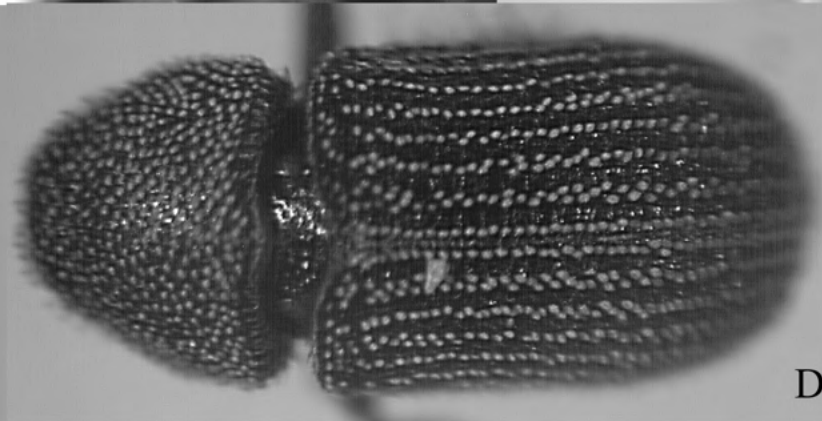
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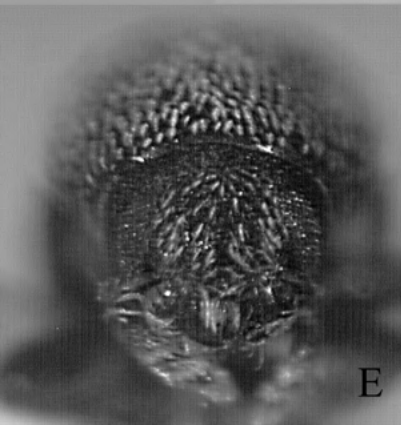
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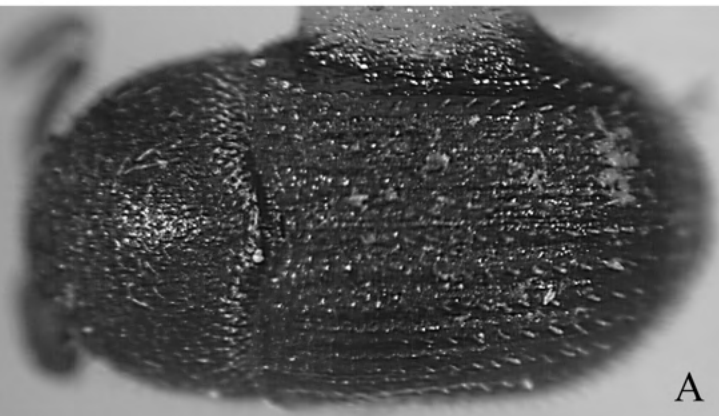
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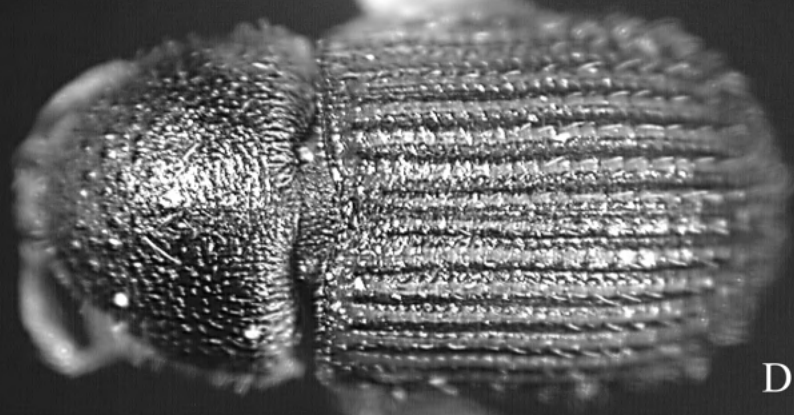
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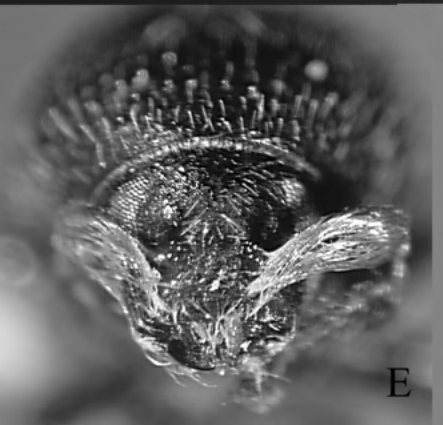
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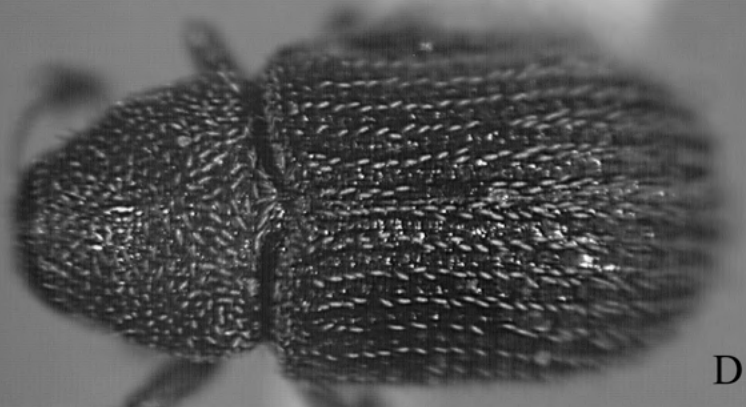
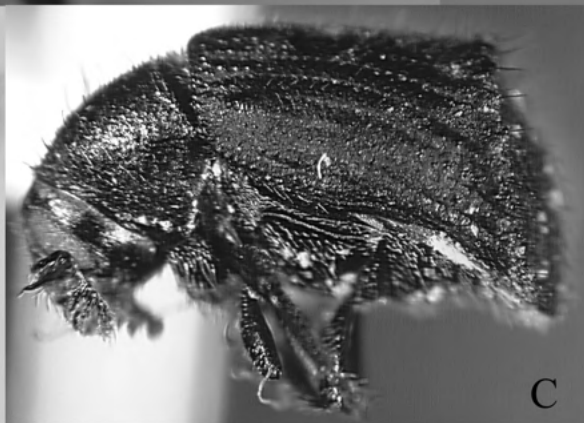
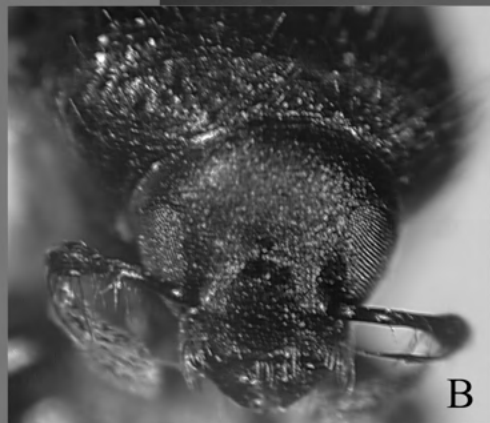
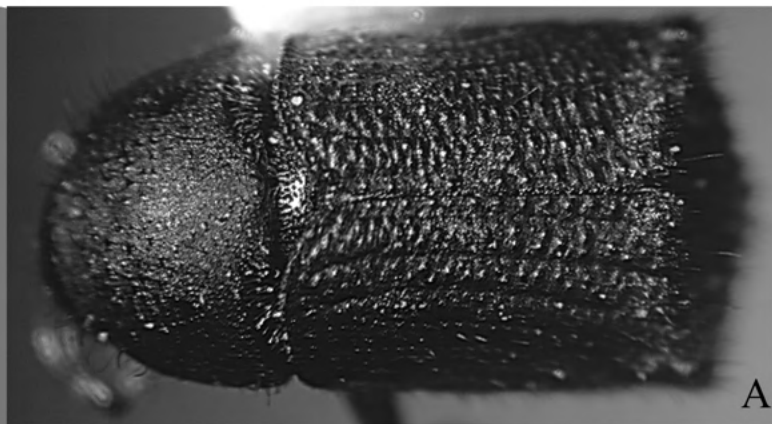
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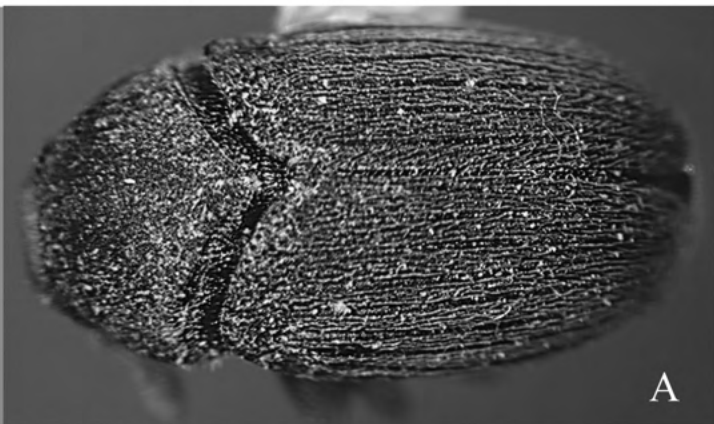


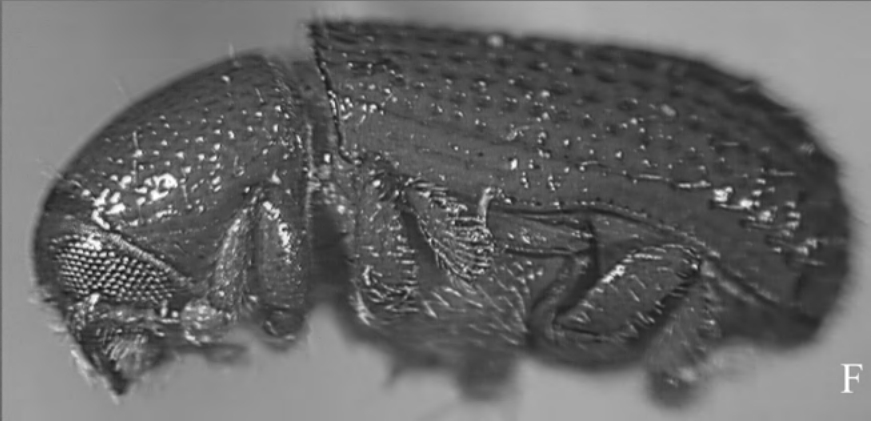
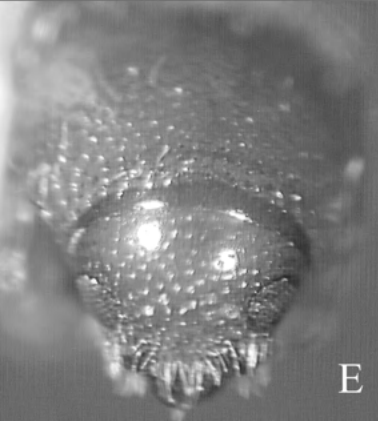
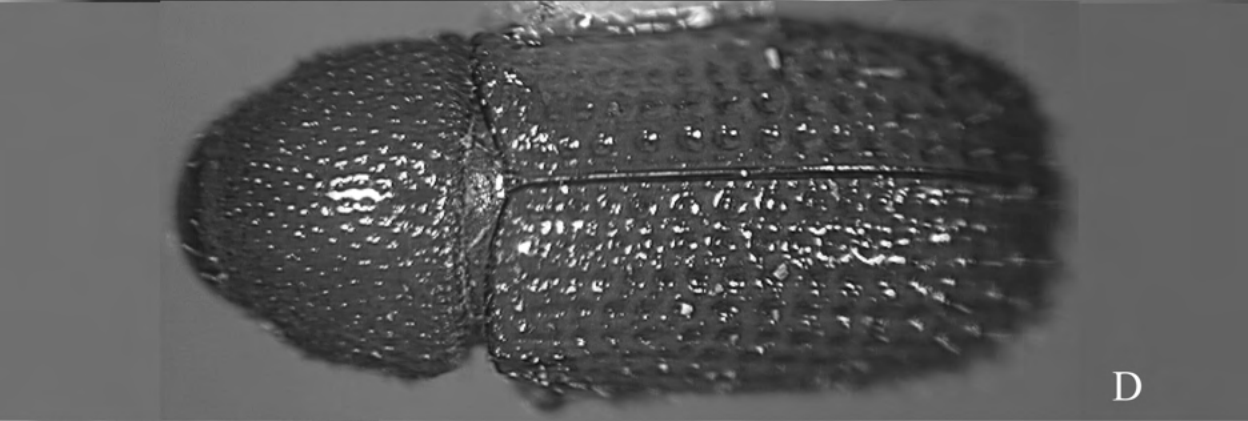
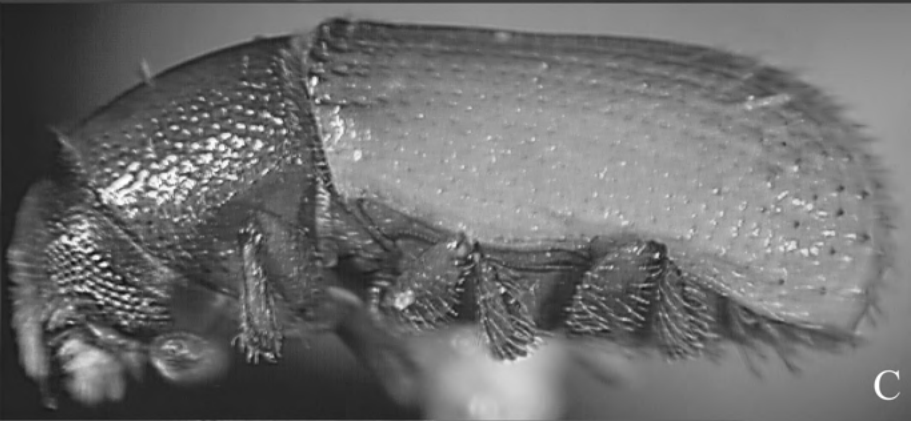
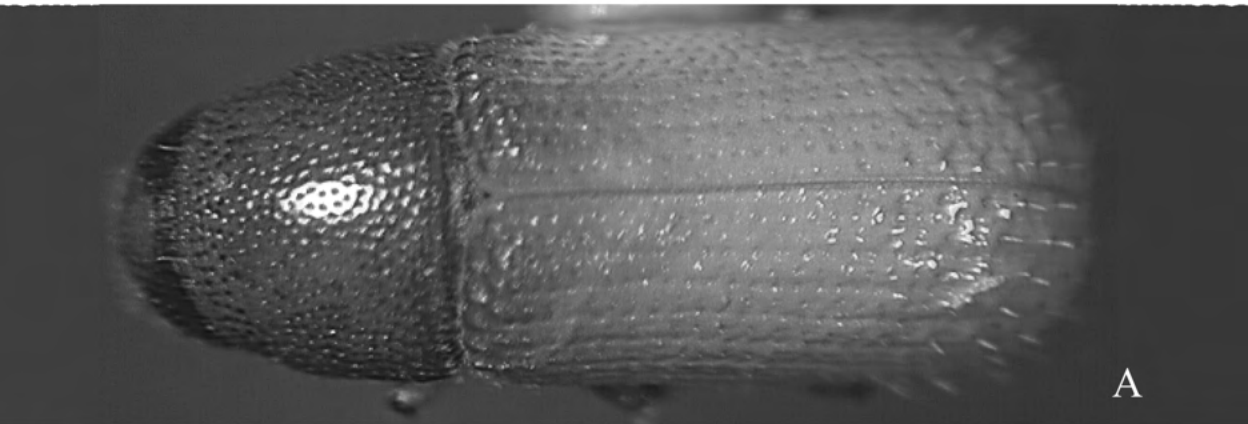
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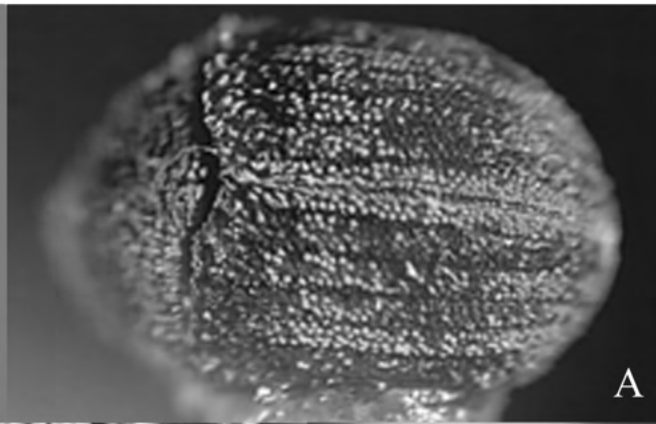


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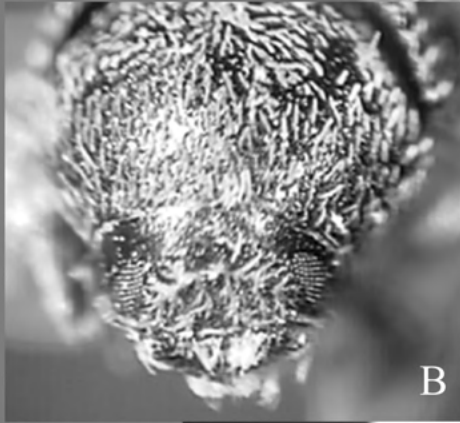




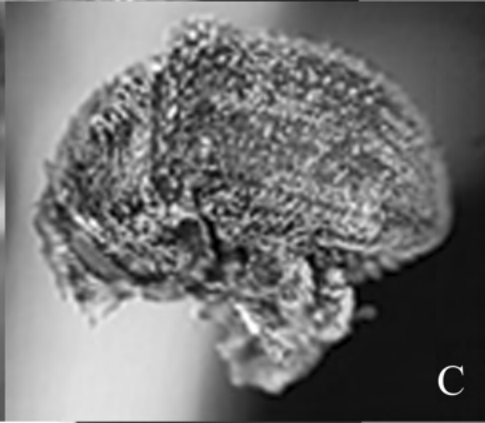




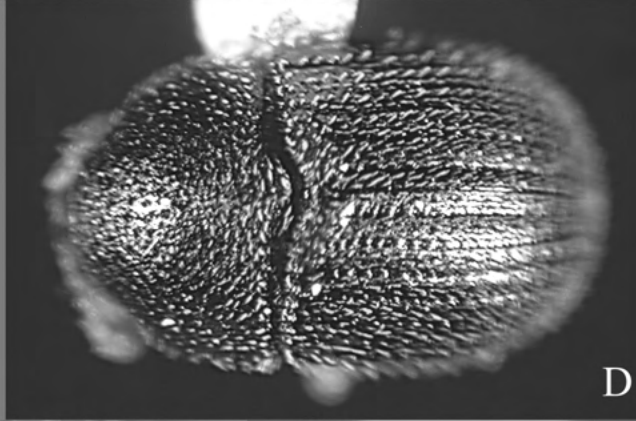
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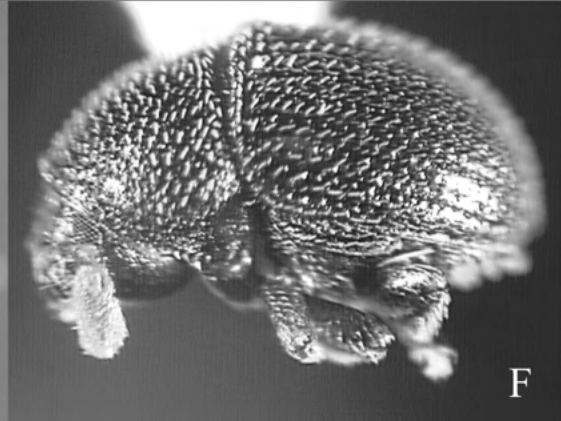
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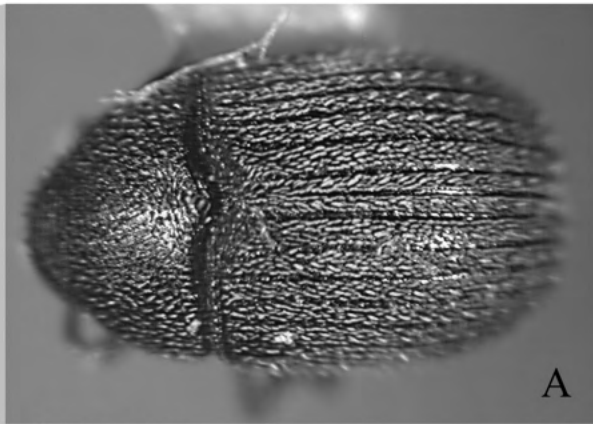
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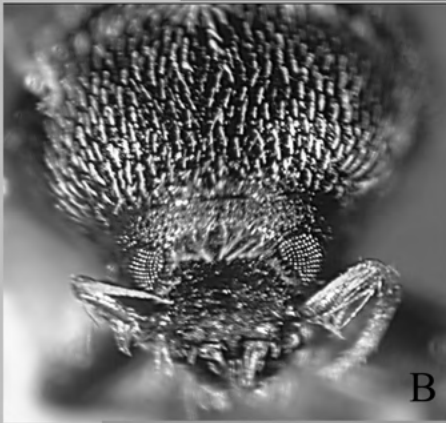
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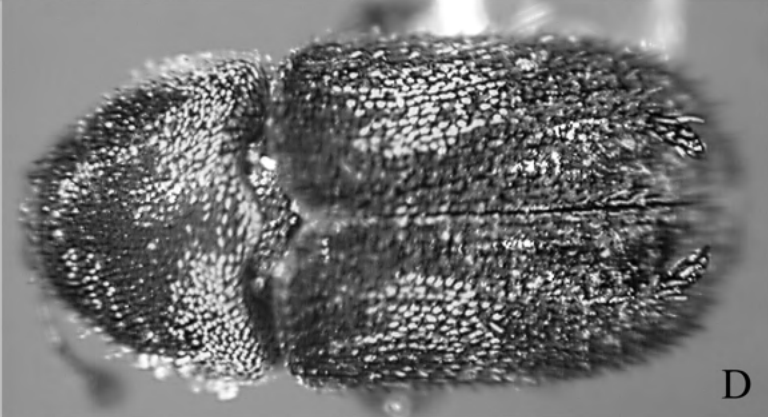
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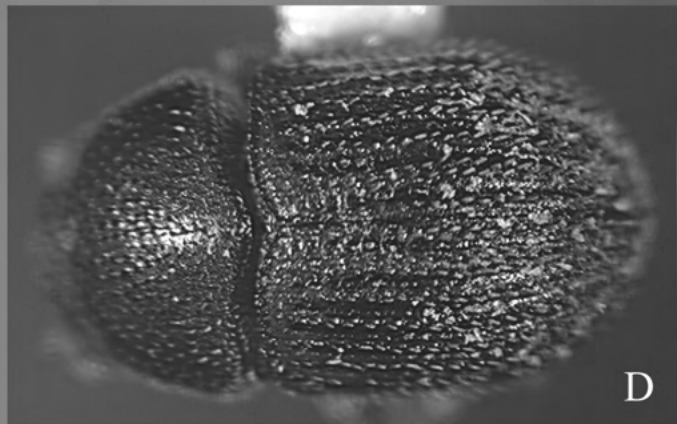
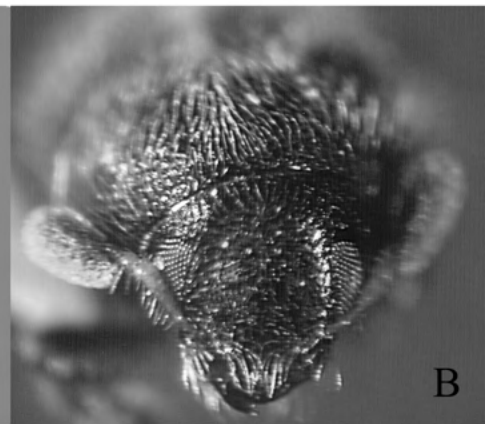
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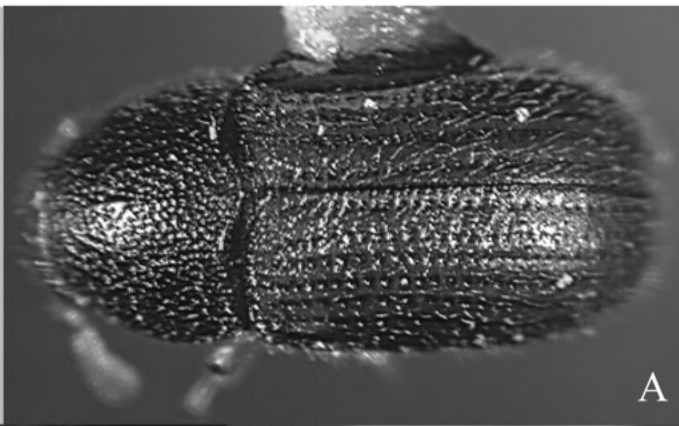


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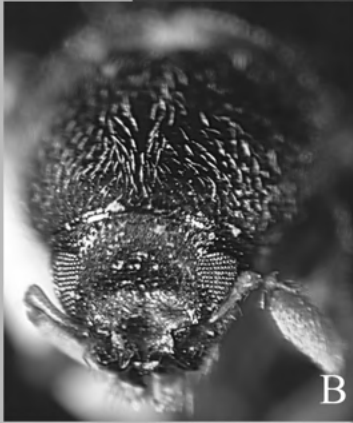


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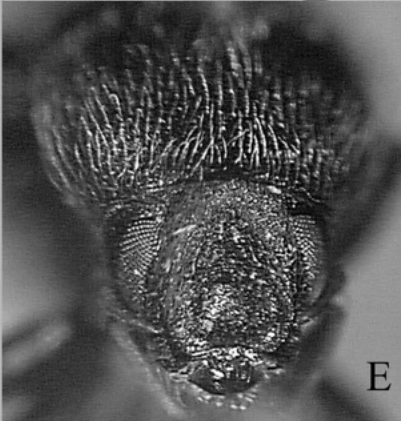
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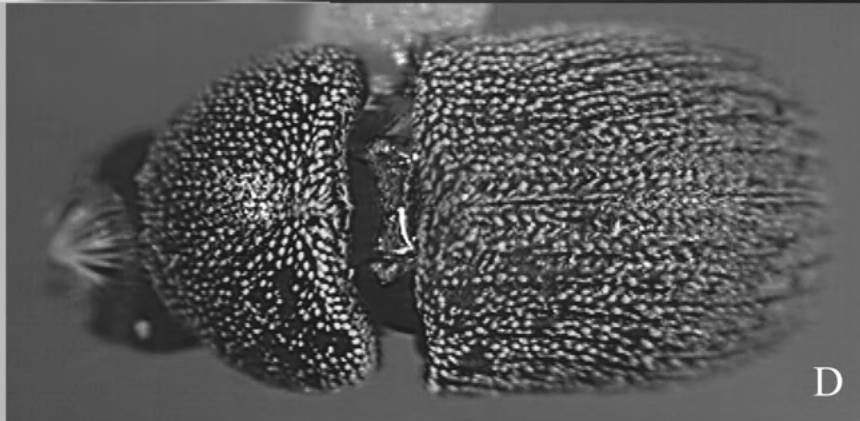
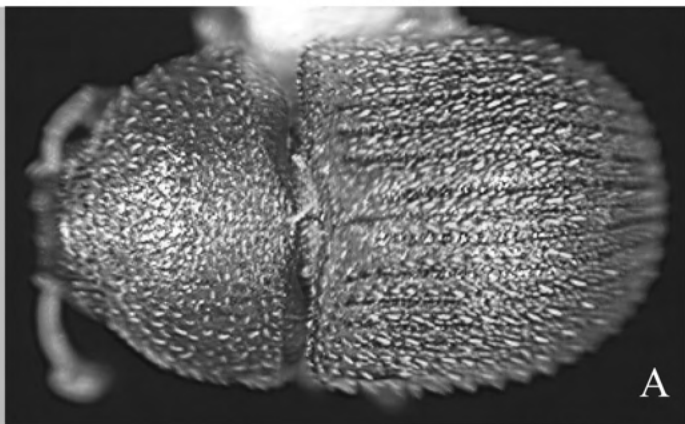
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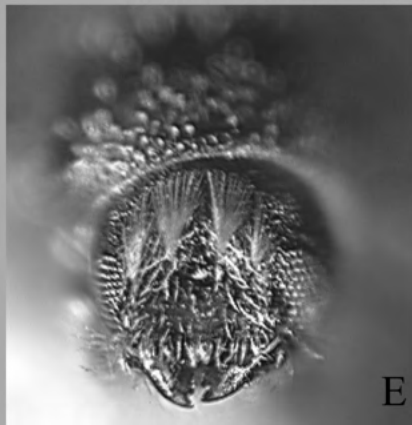
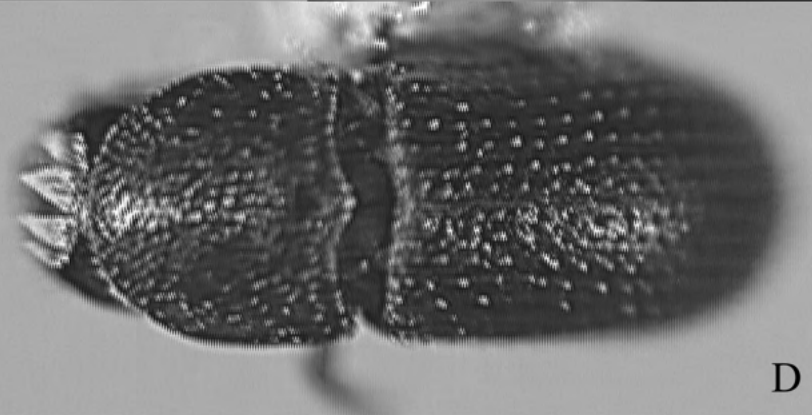
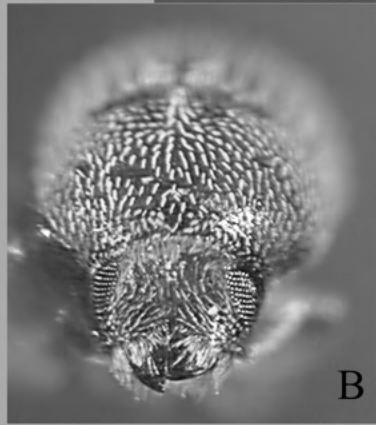
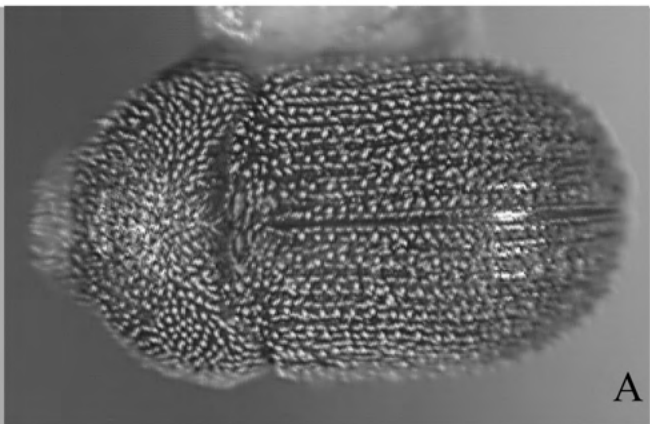


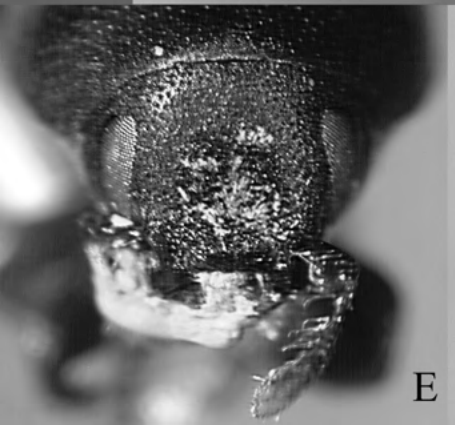
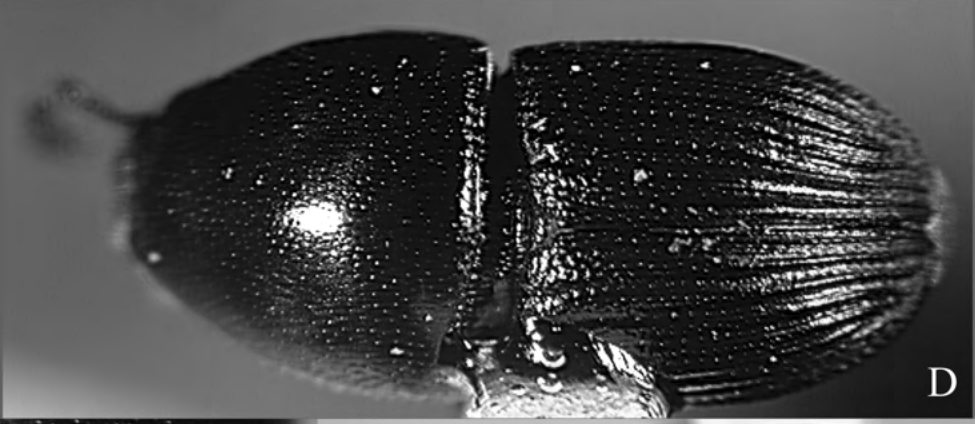
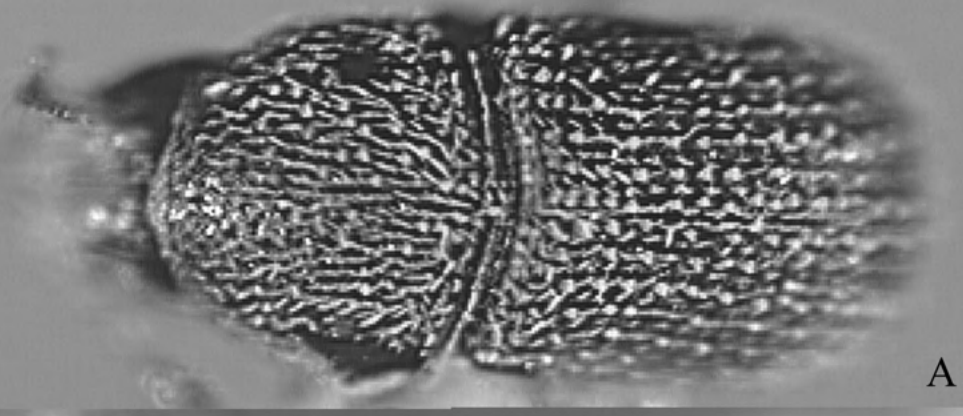
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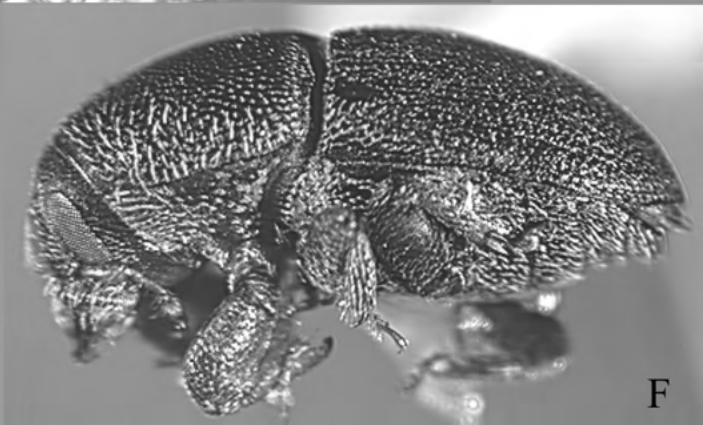
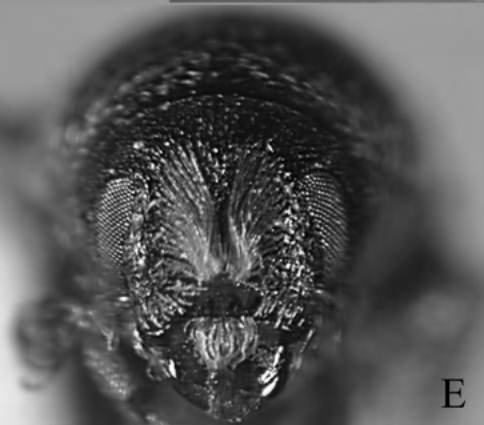
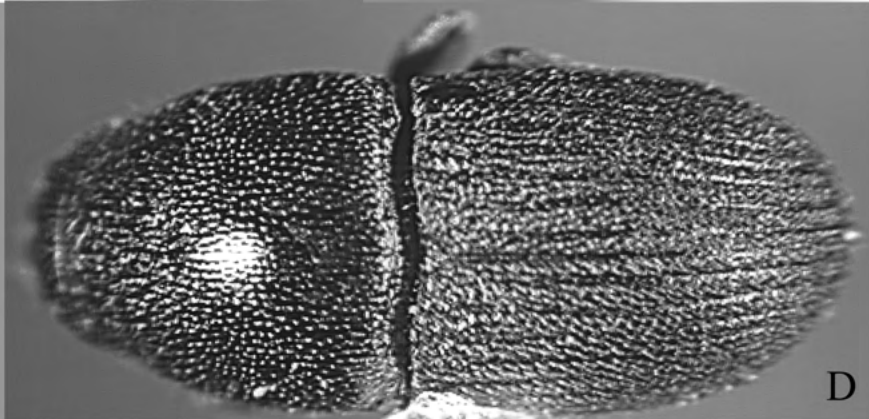
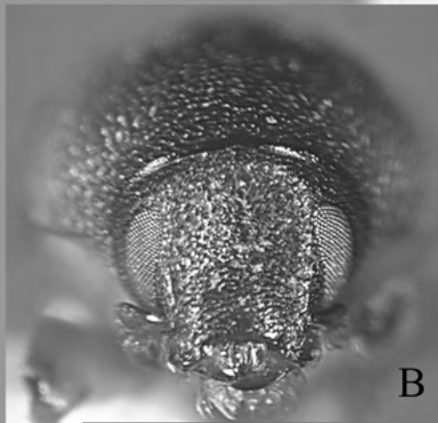
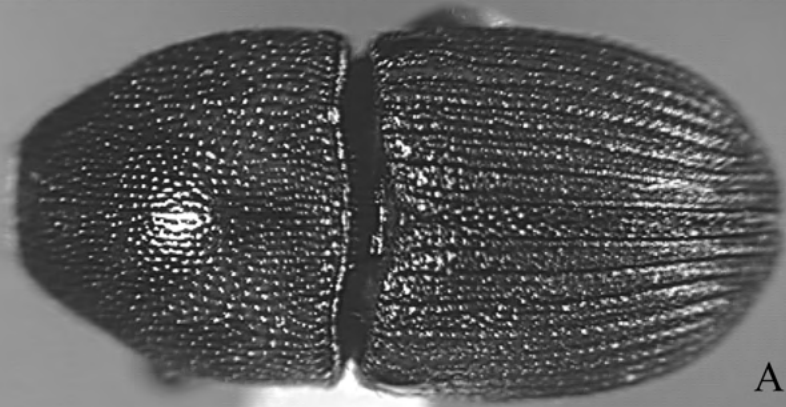


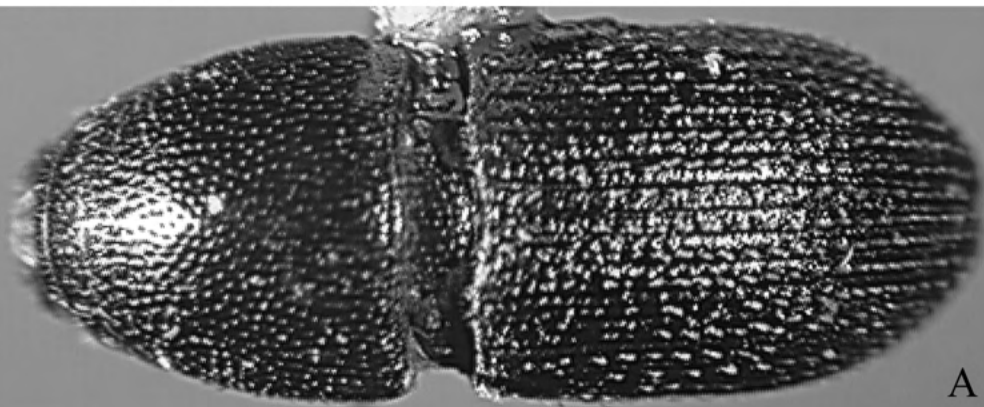
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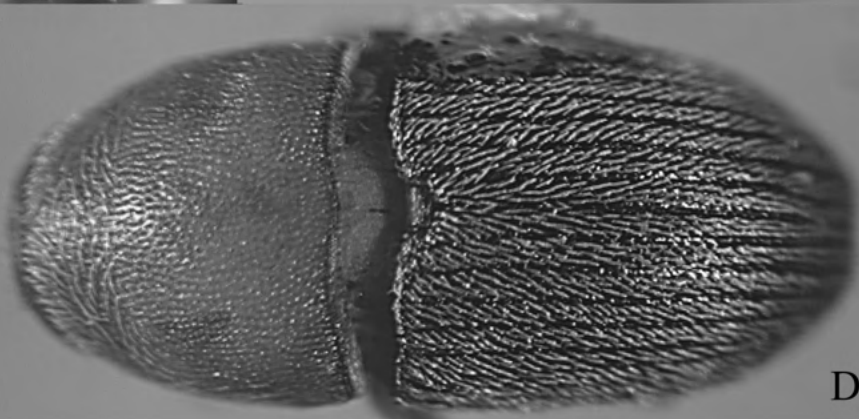
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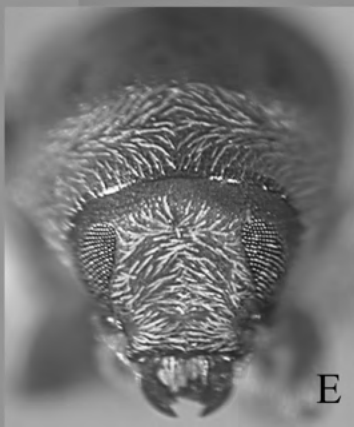
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C



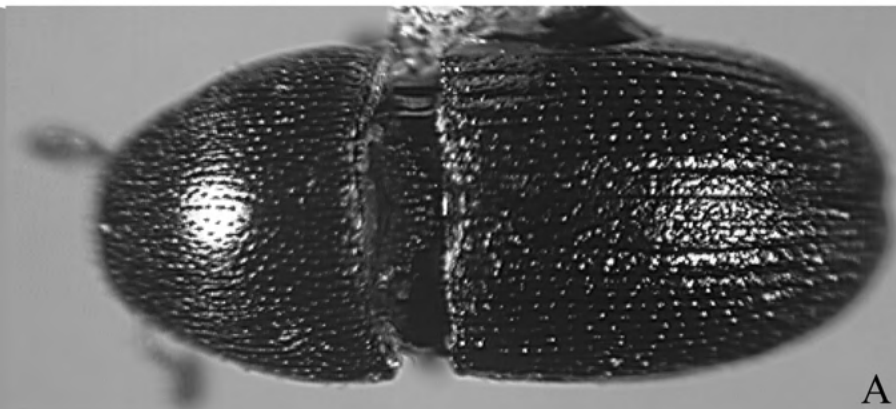
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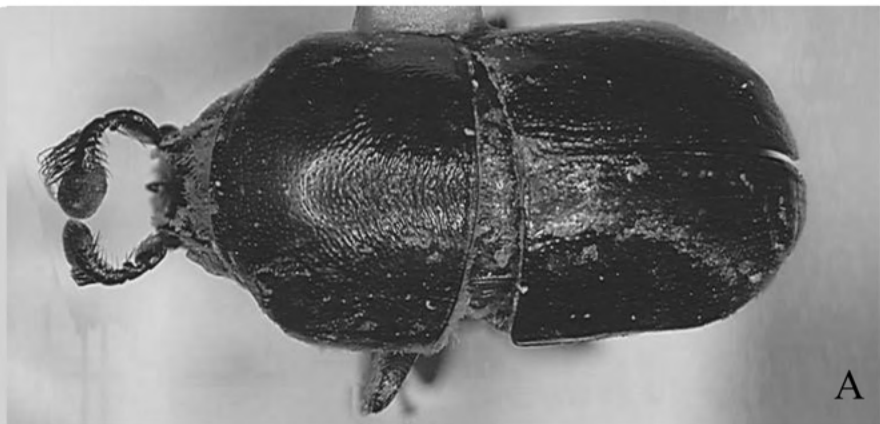


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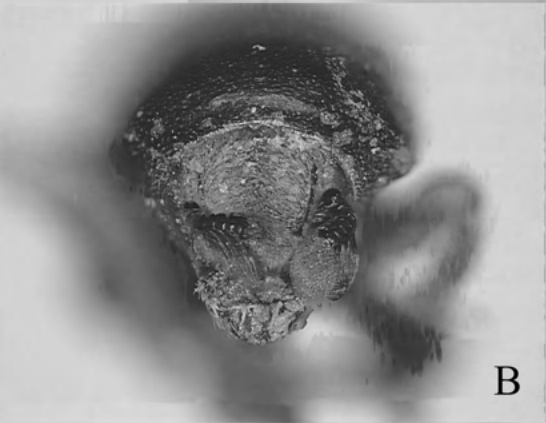


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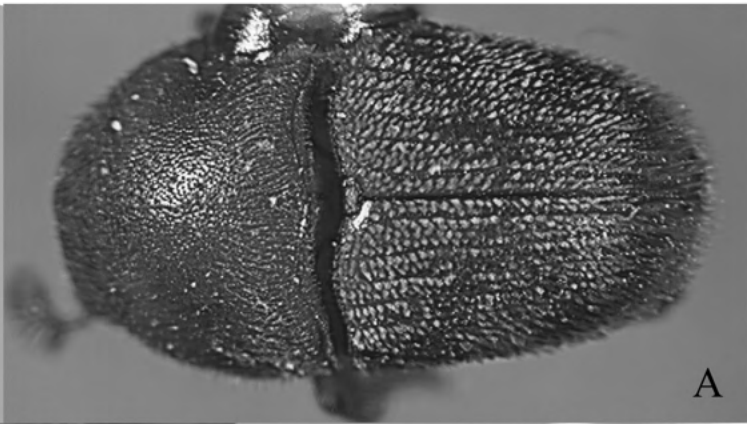
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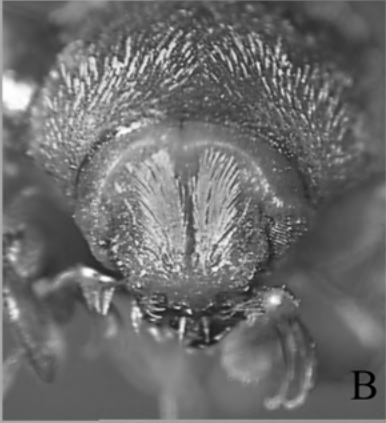
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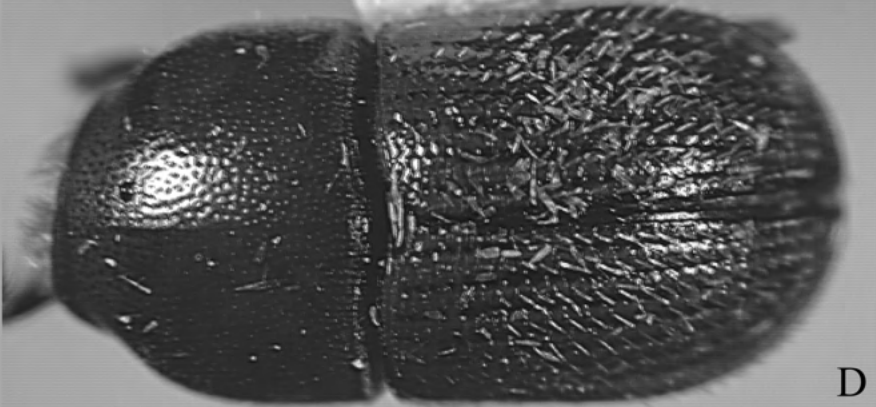
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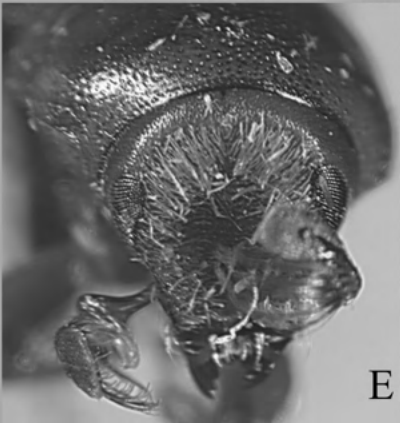
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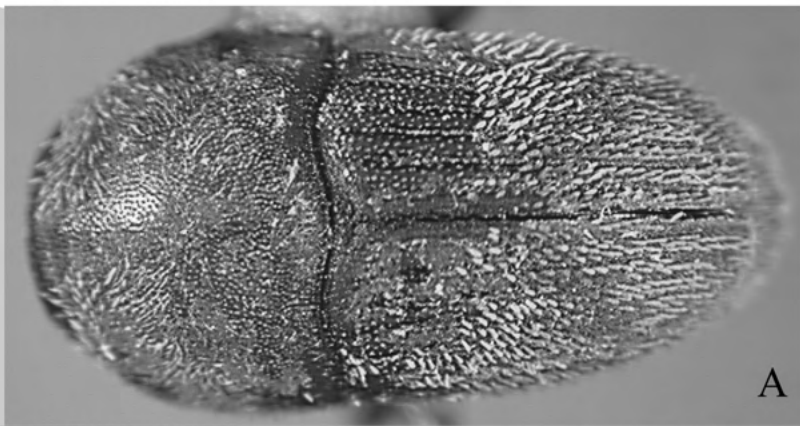
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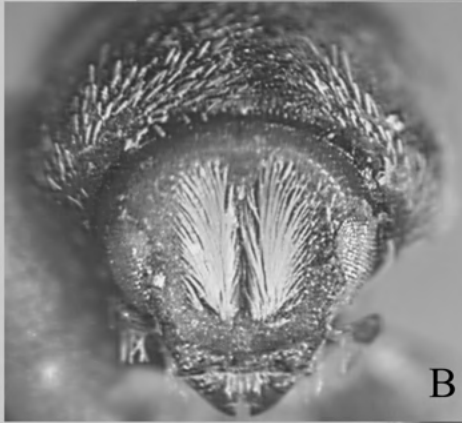
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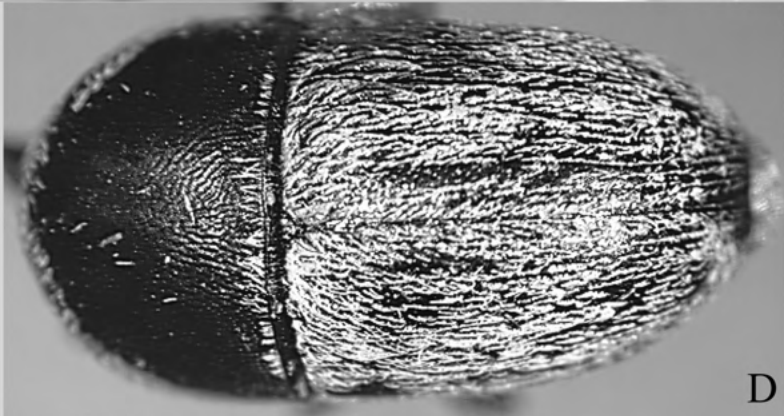
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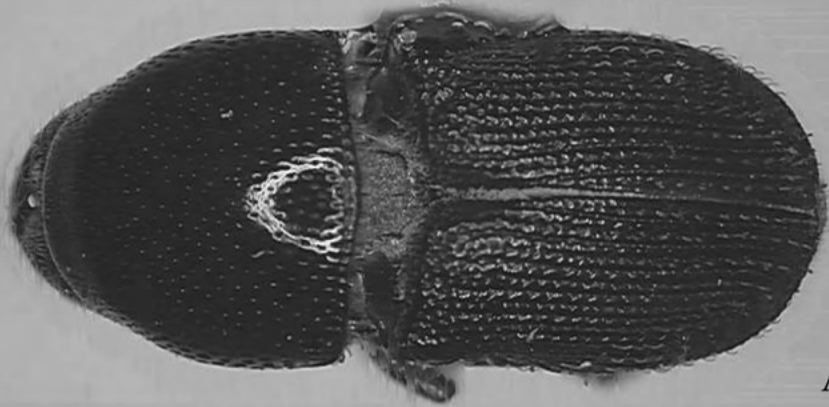
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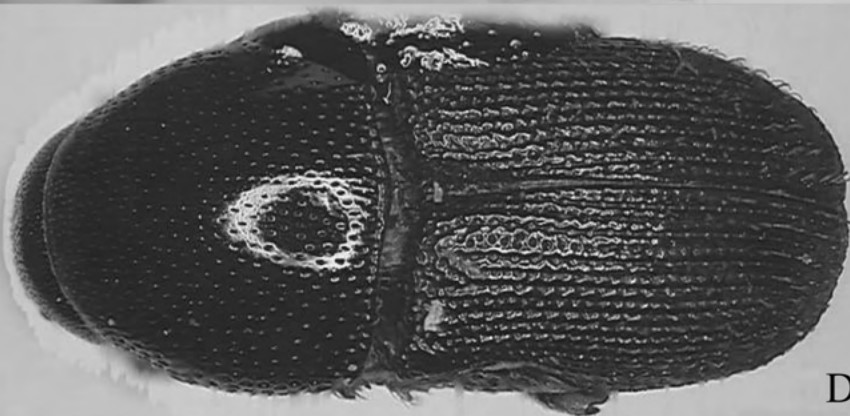
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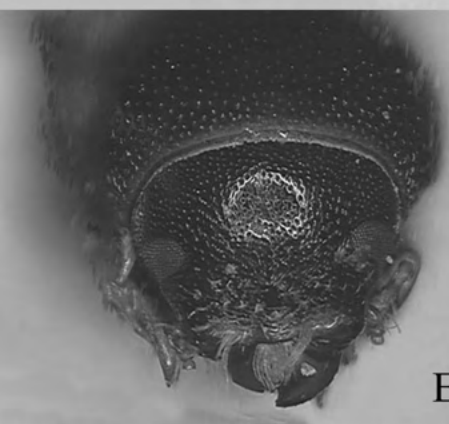
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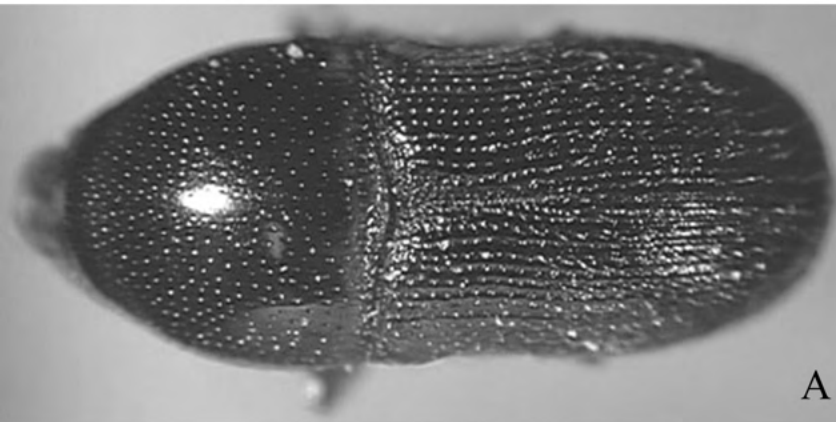
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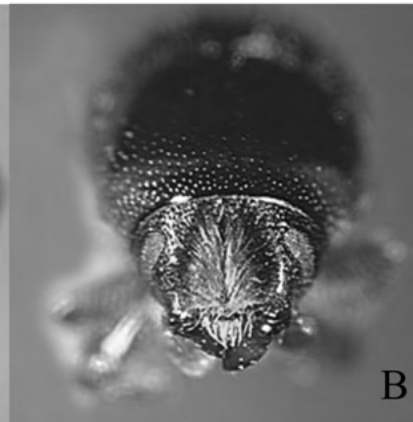
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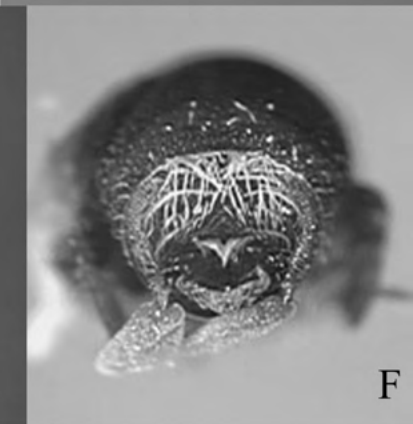
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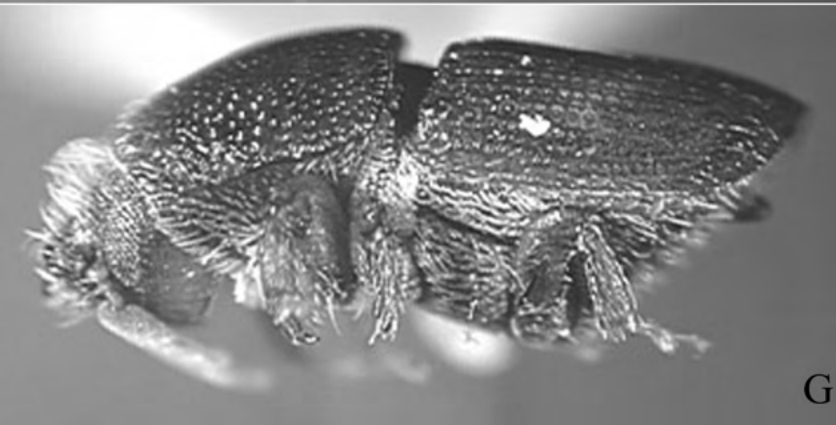
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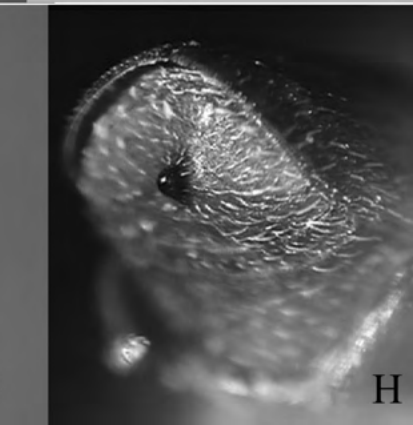
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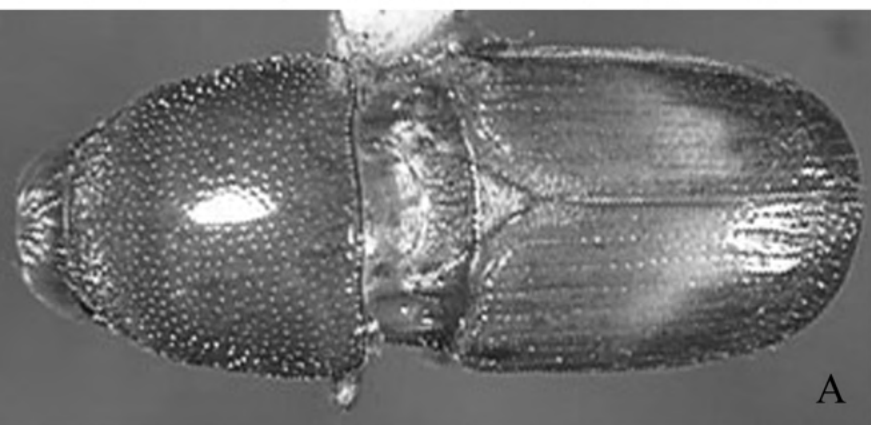
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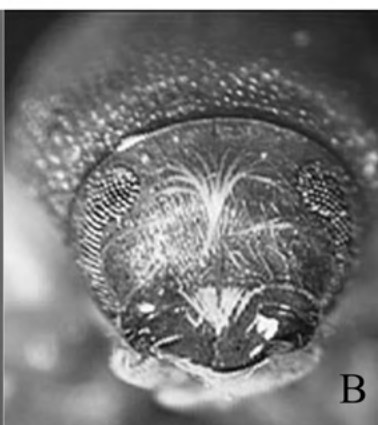
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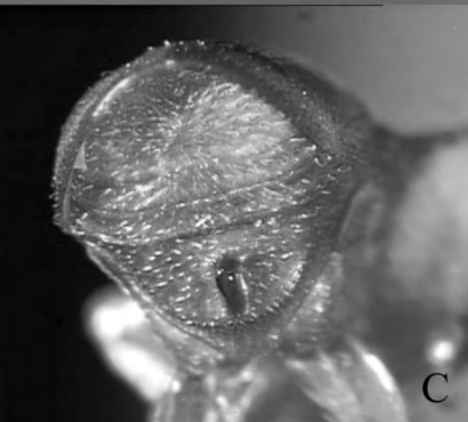
H



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B



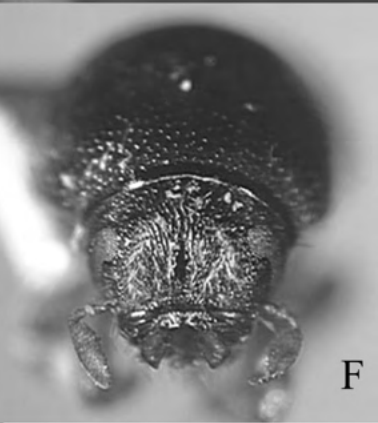
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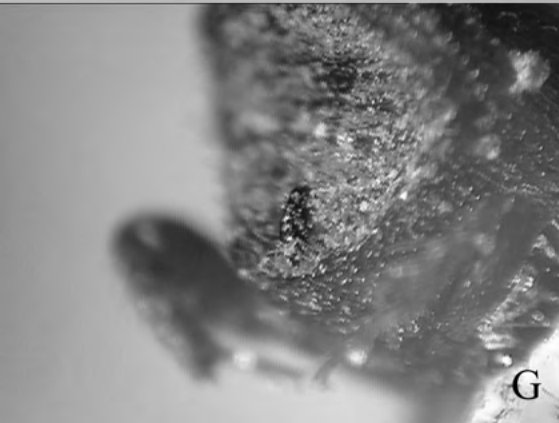
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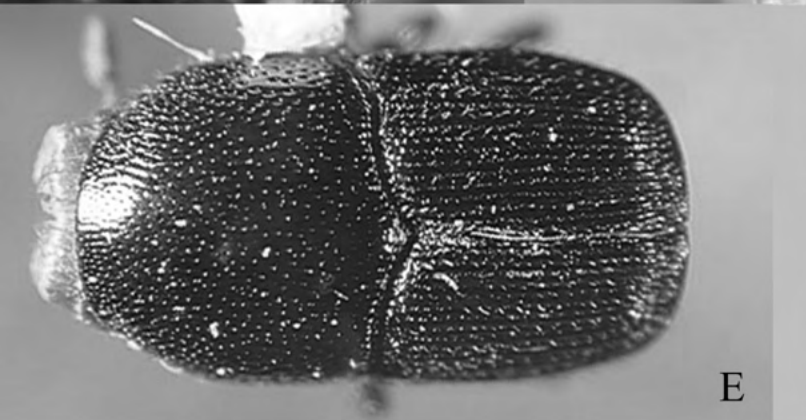
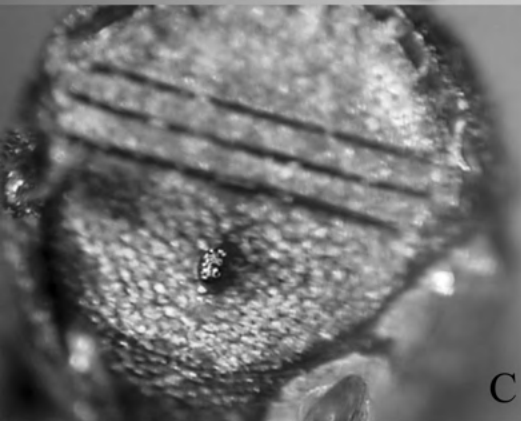
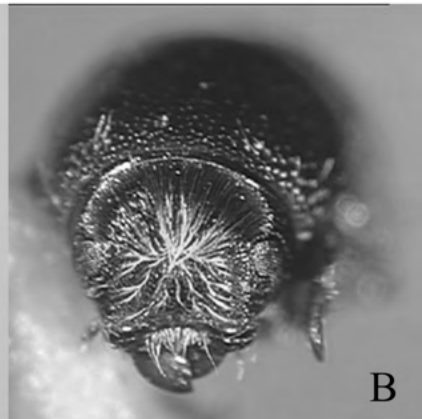
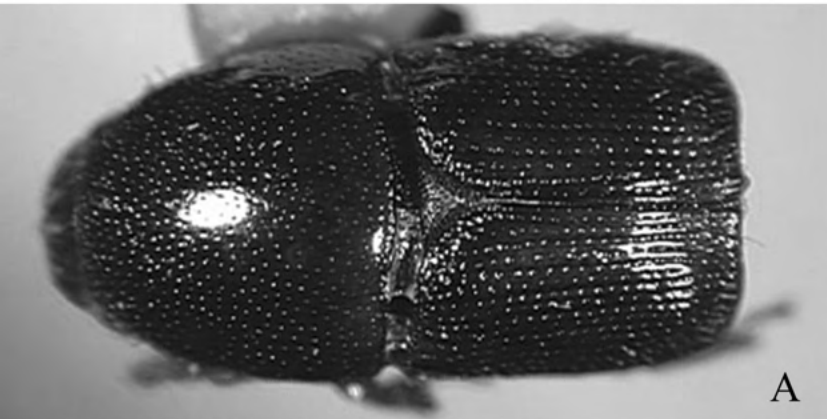
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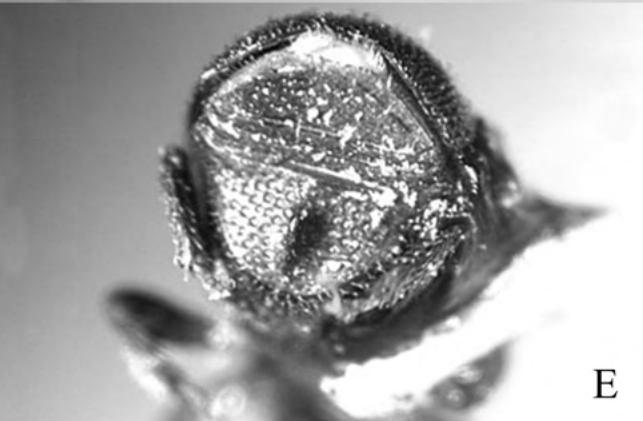
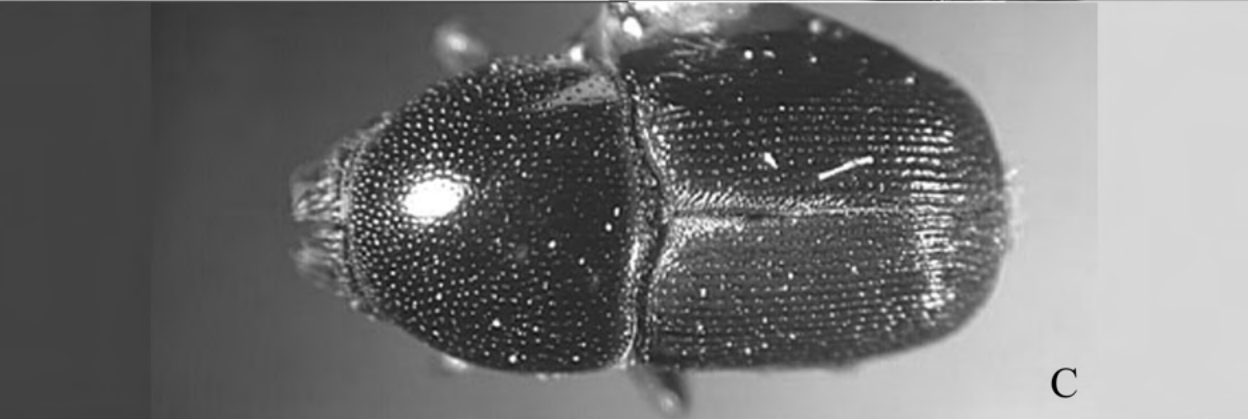
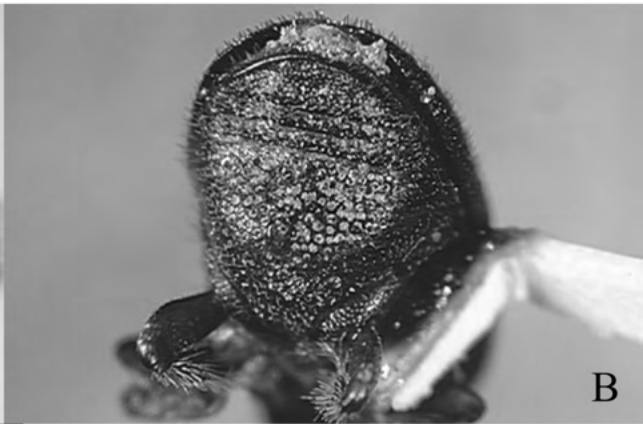


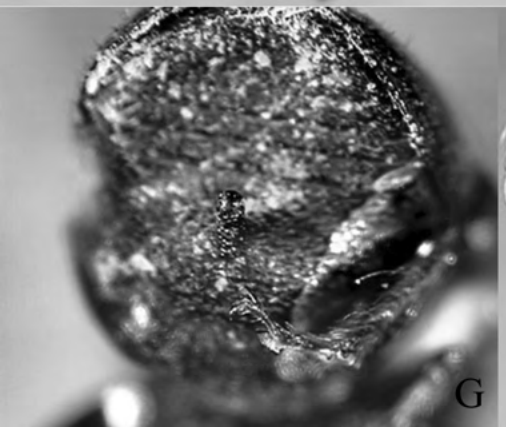
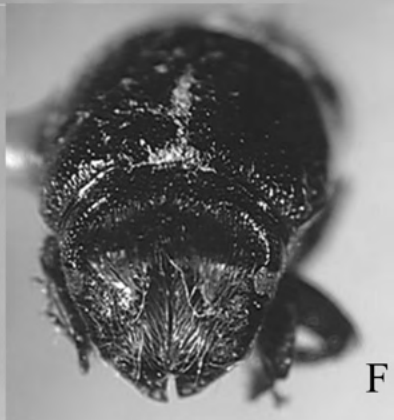
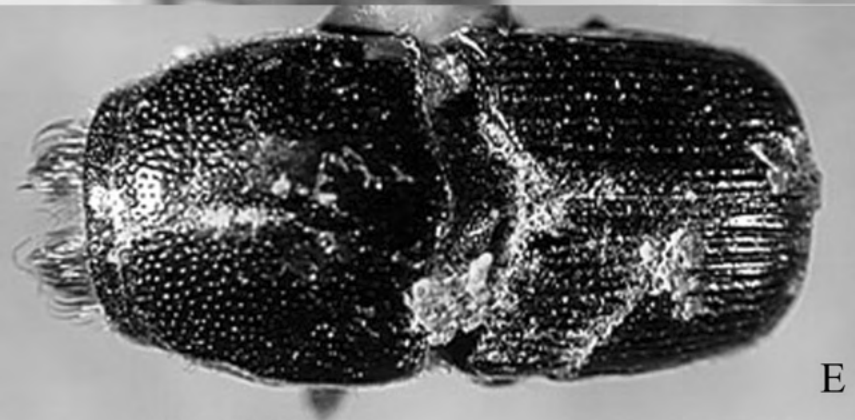
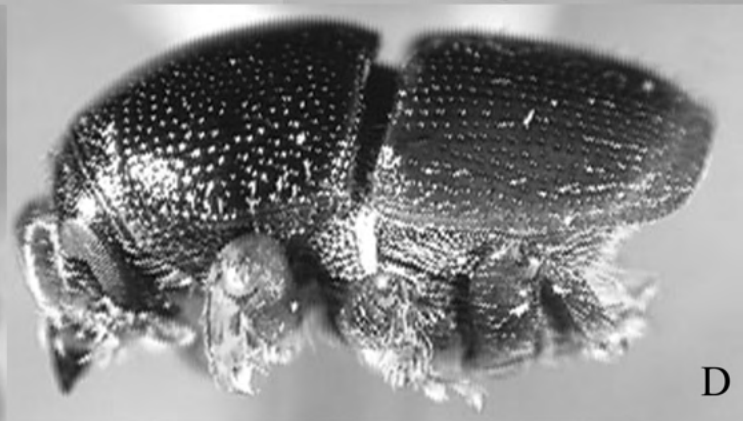
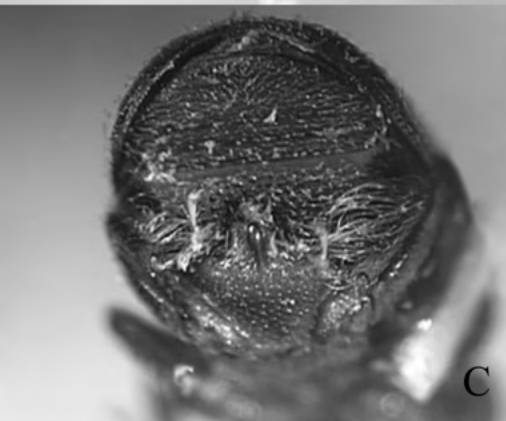
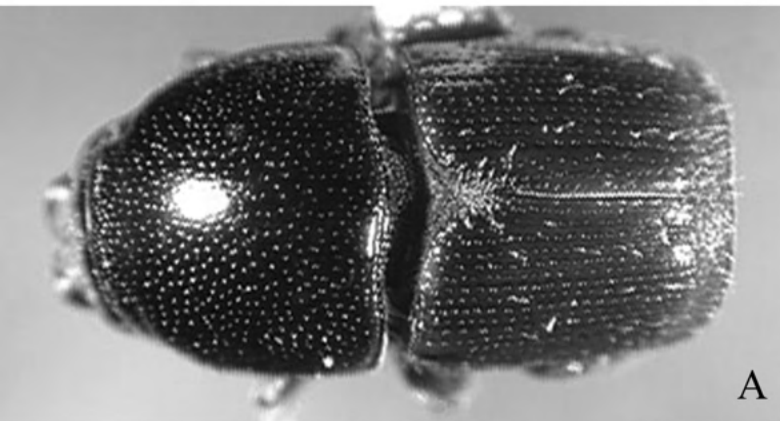
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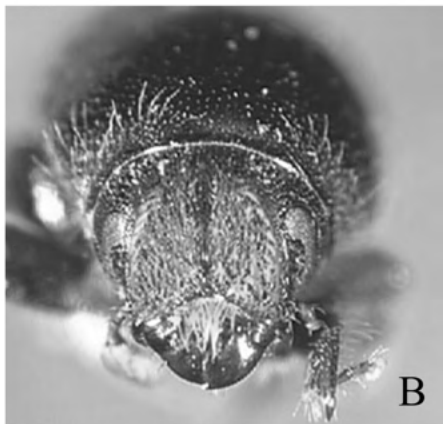








A



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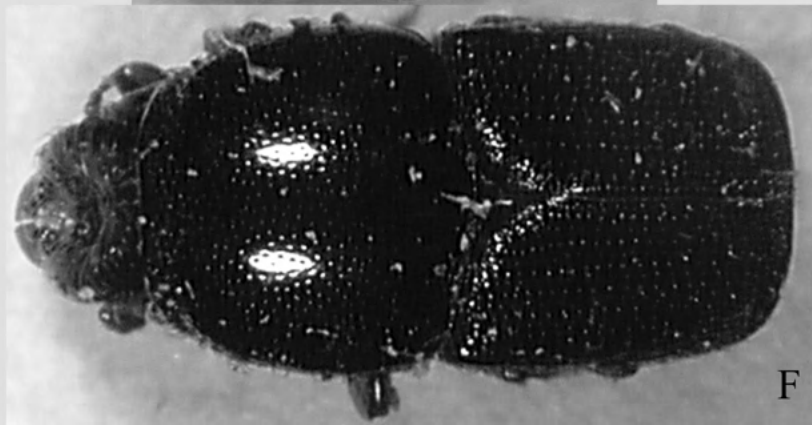
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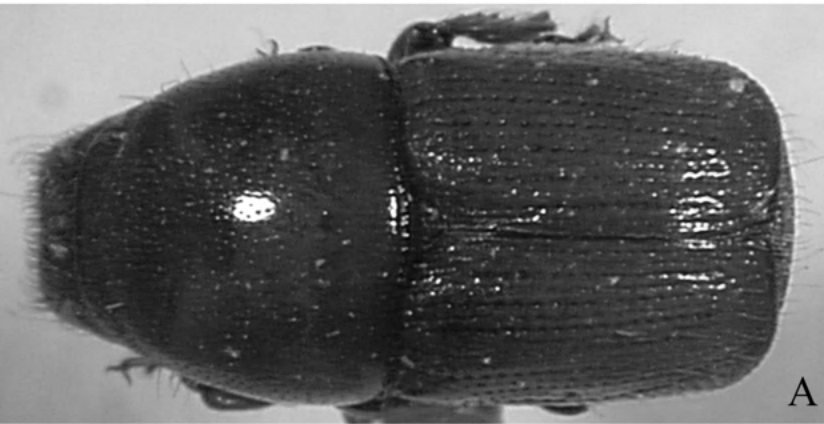
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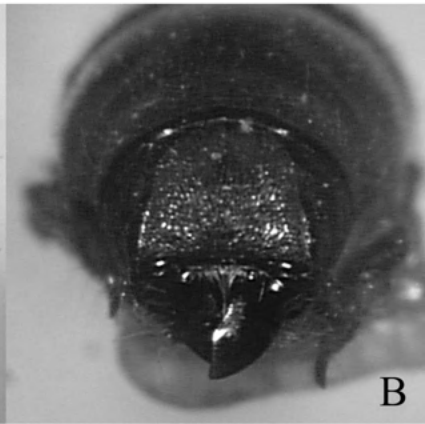
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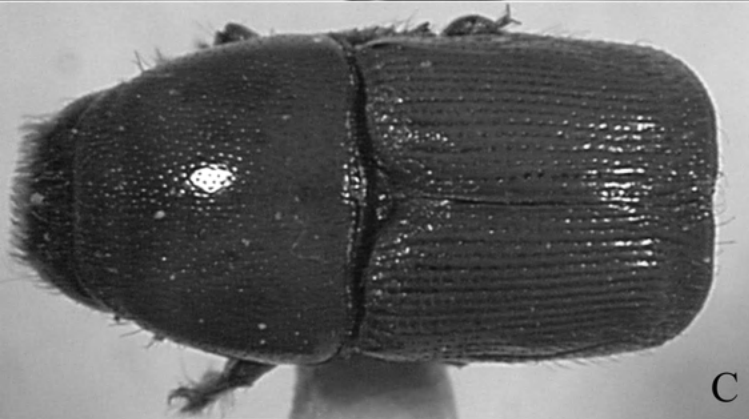
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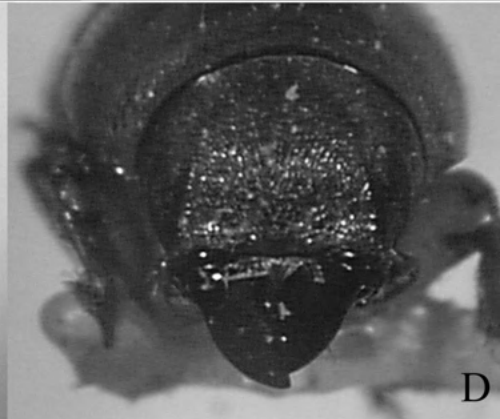
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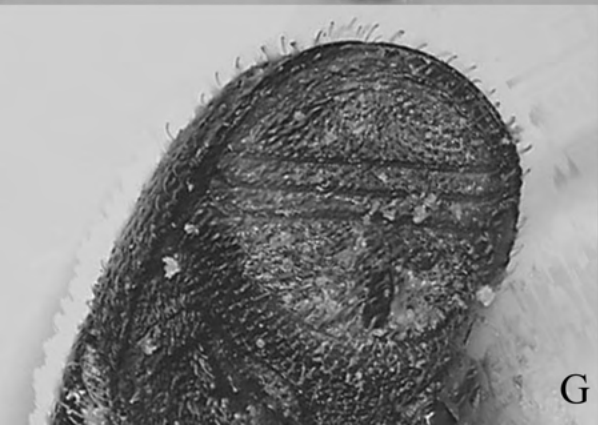
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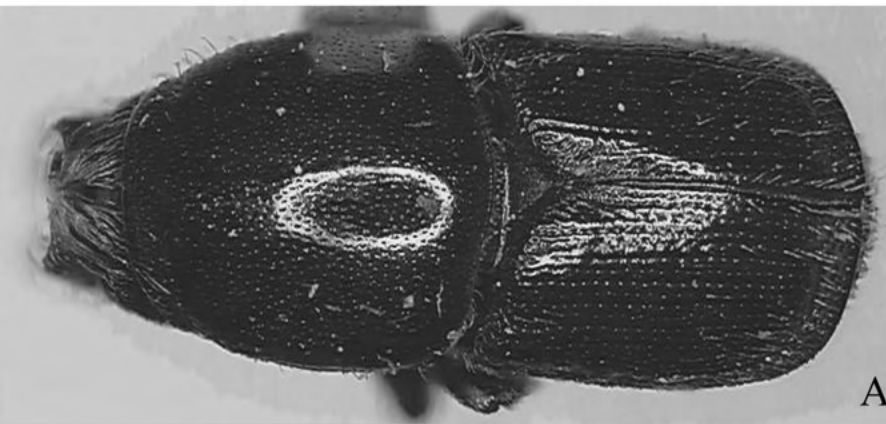
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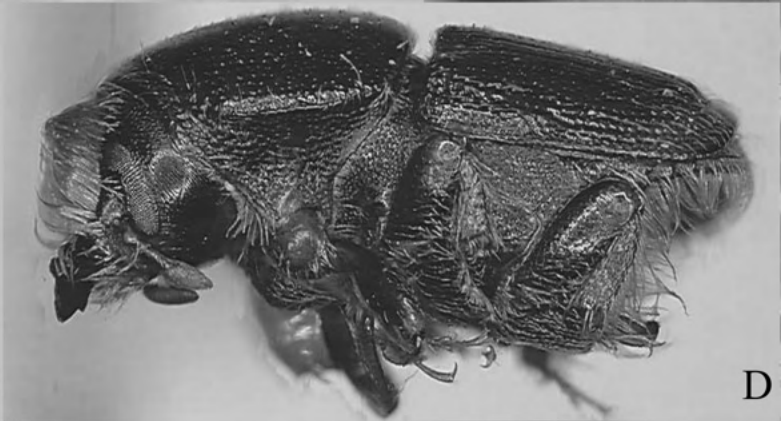
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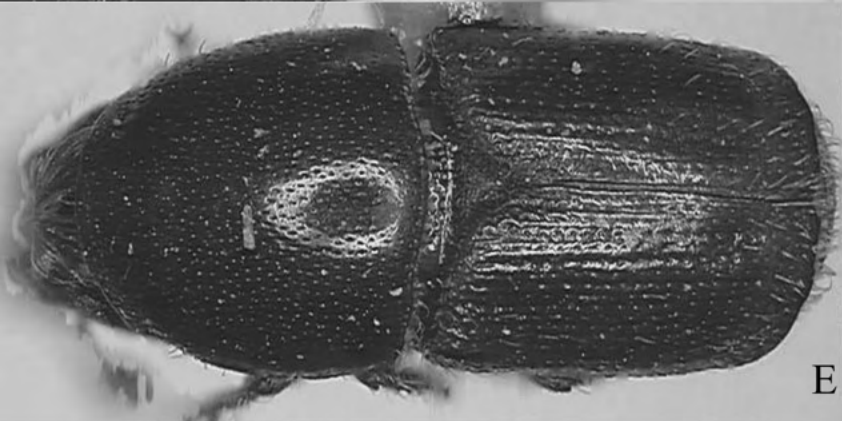
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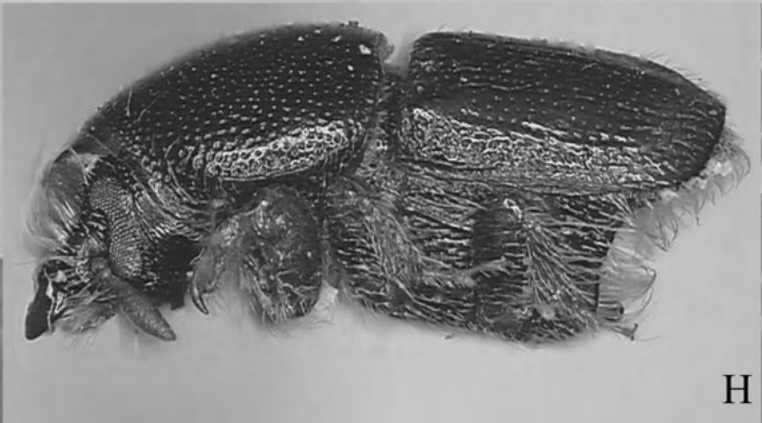
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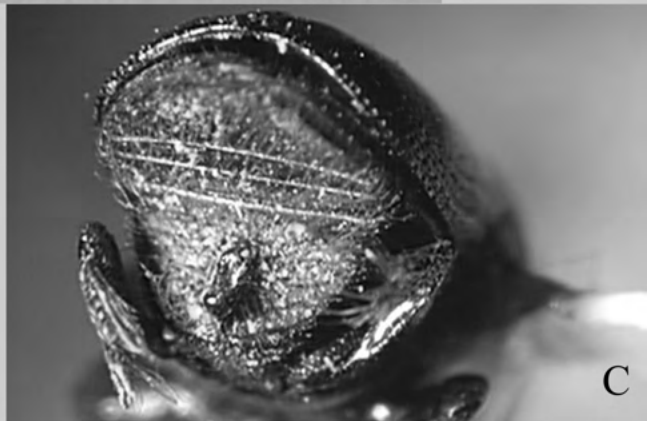
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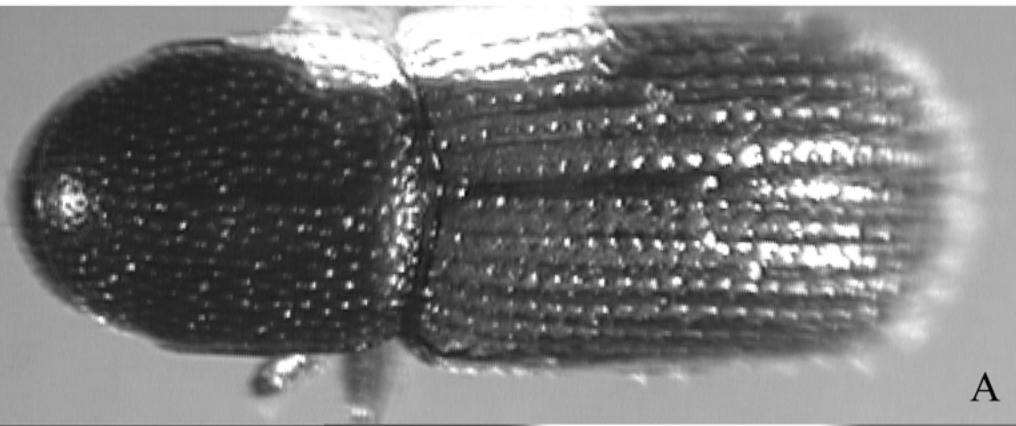
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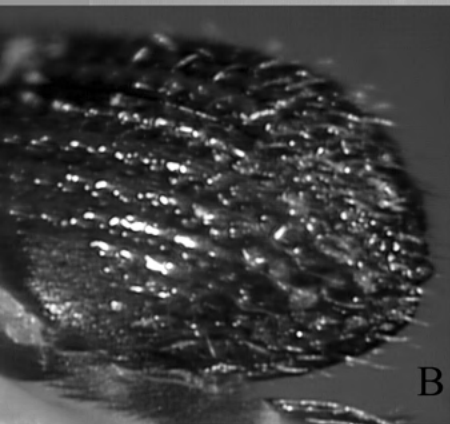
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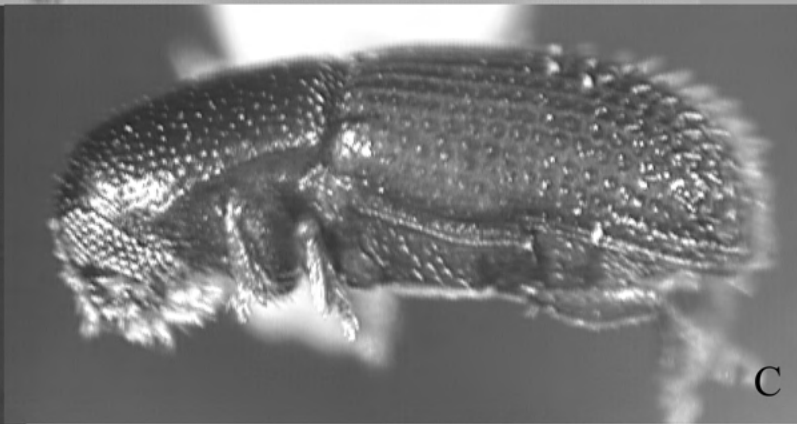
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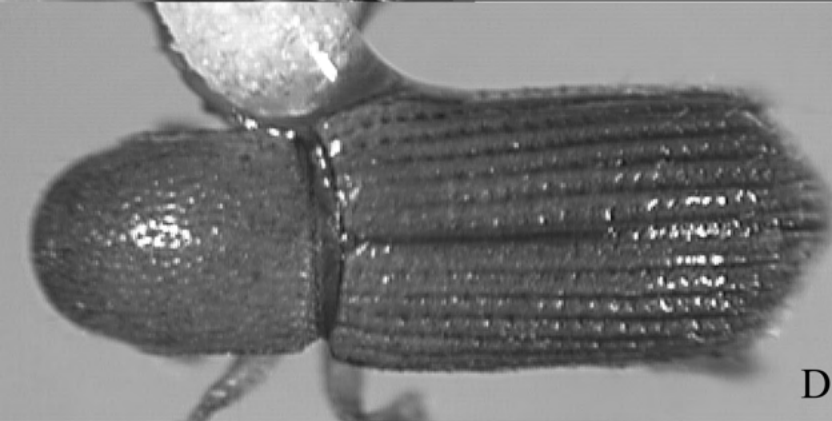
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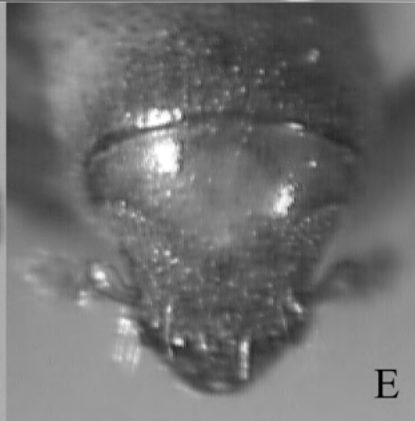
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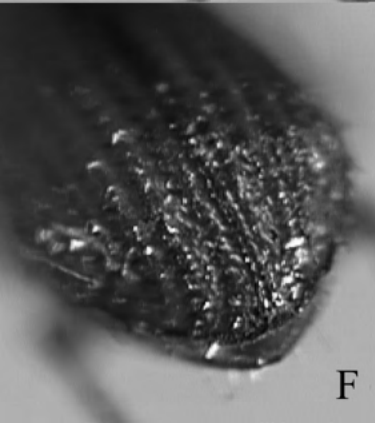
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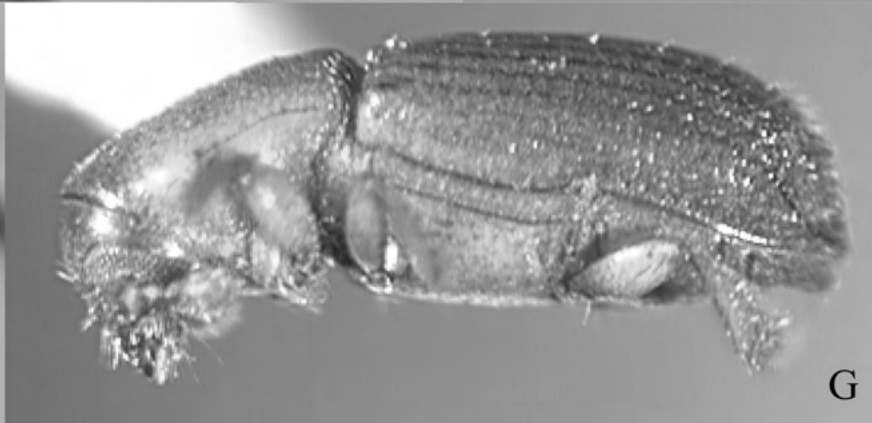
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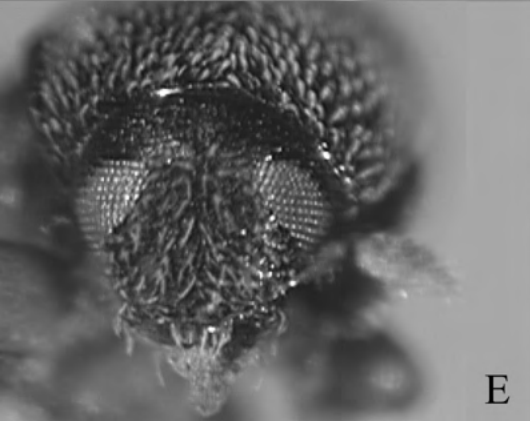
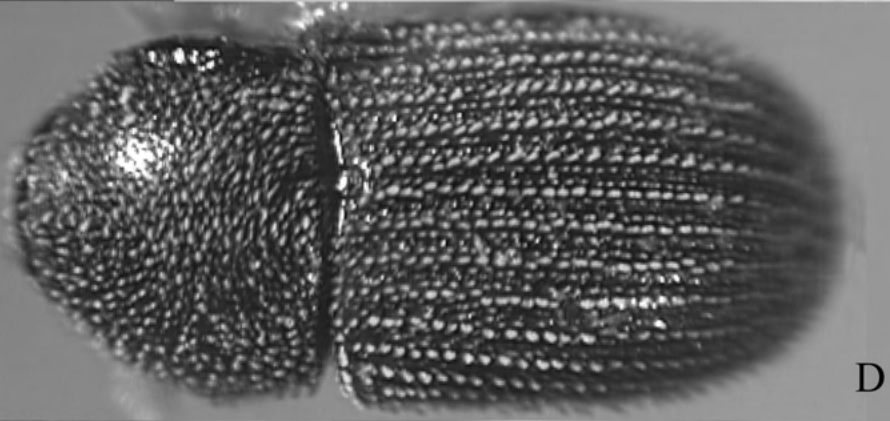
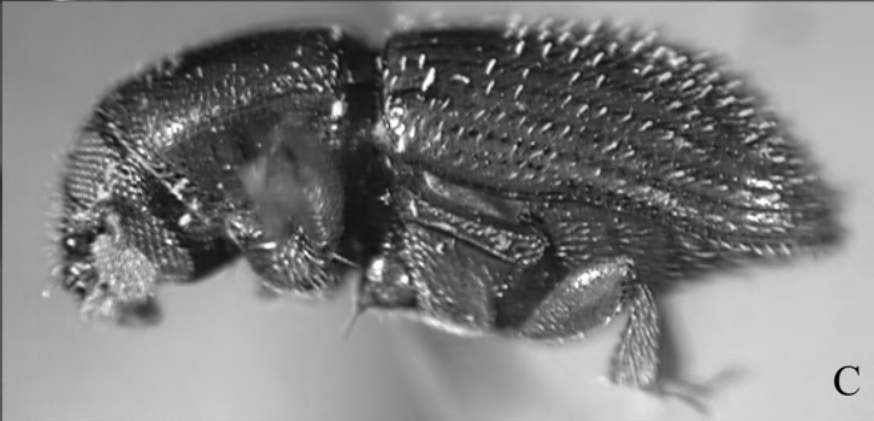
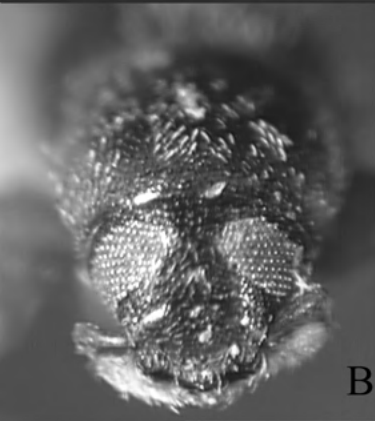
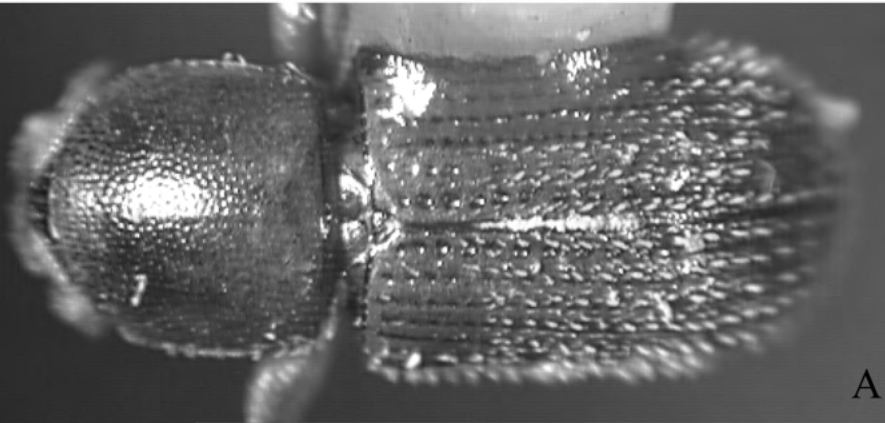
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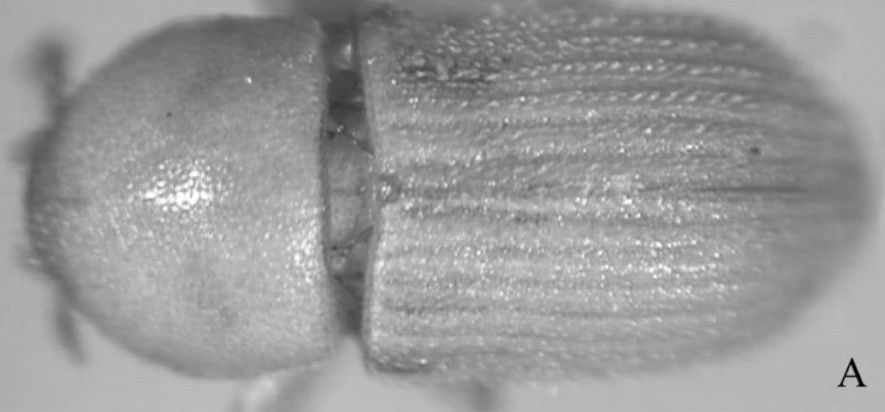


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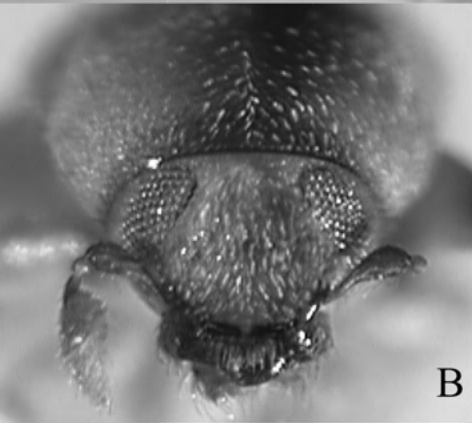


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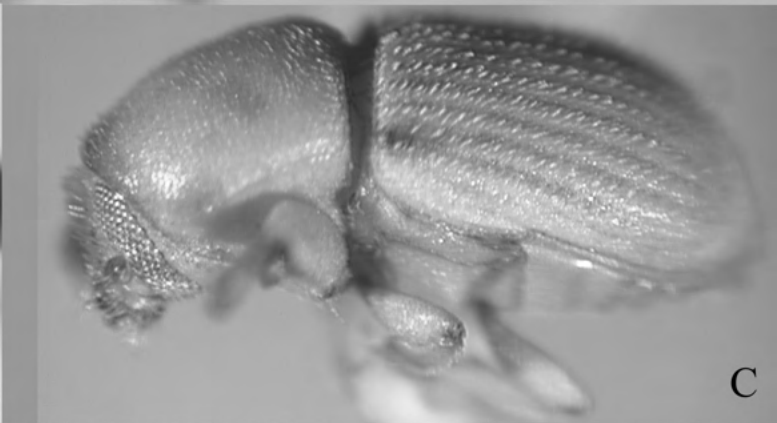




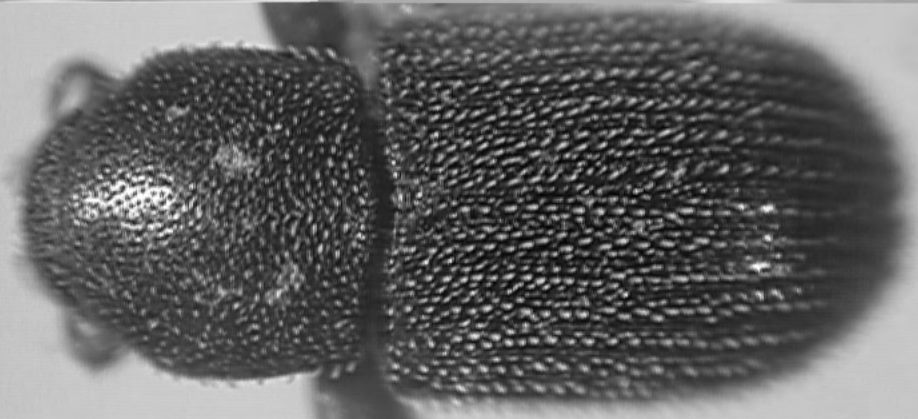
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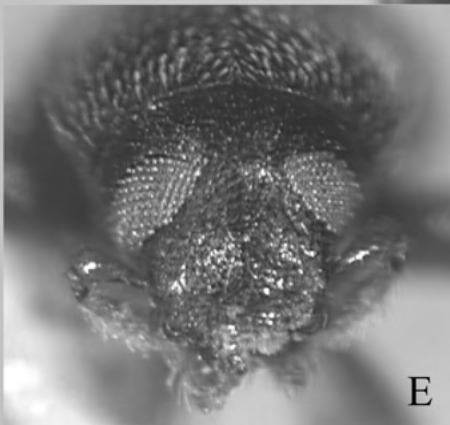
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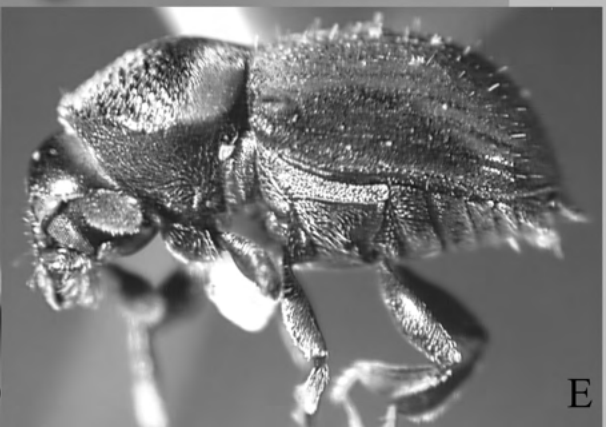
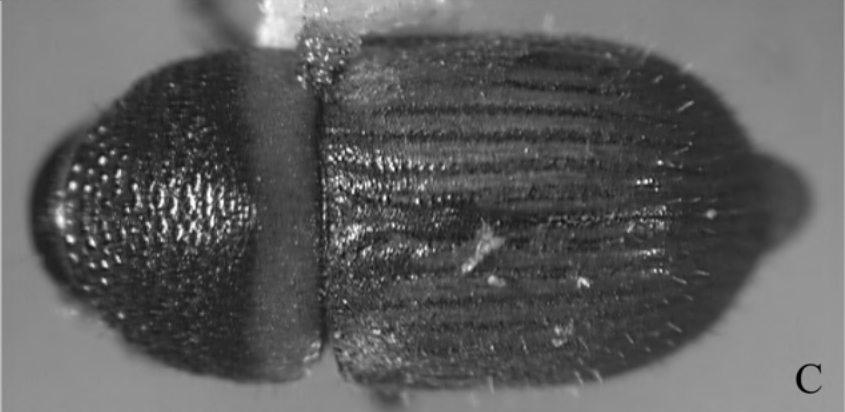
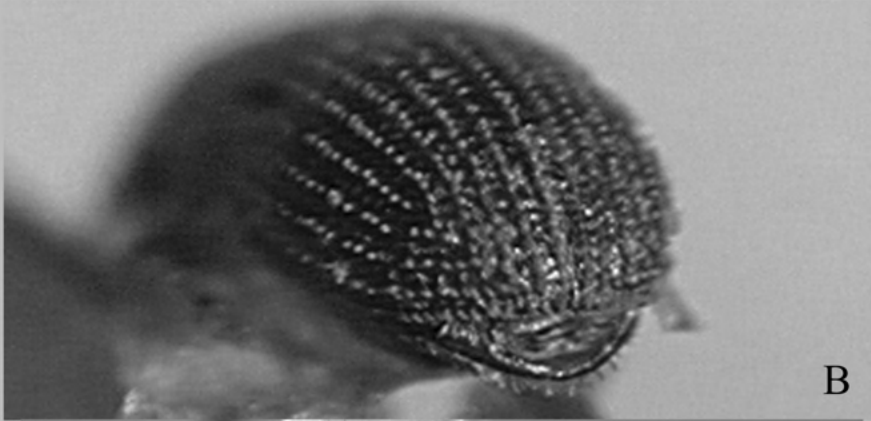
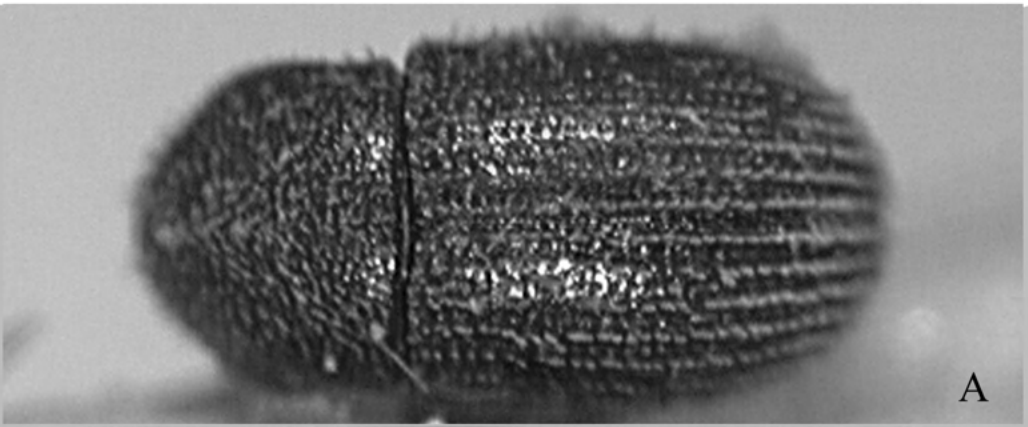
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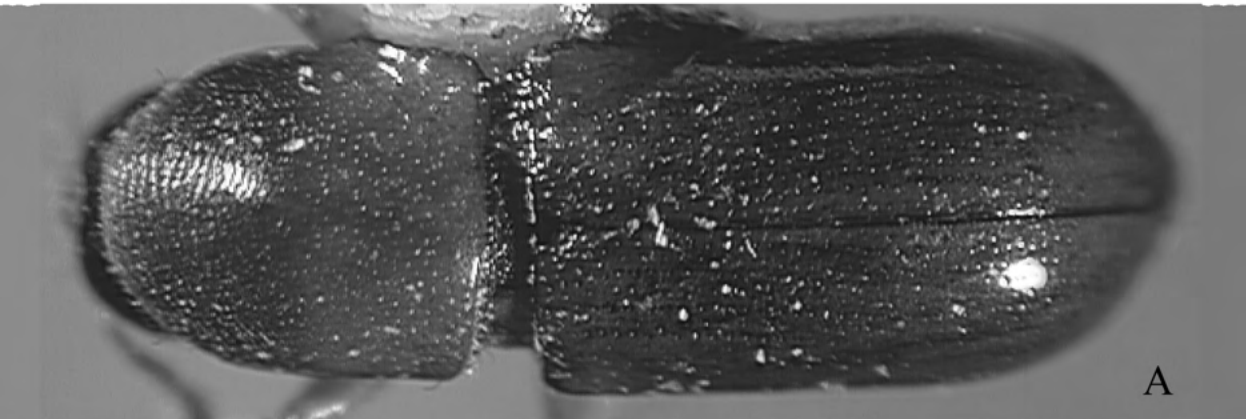


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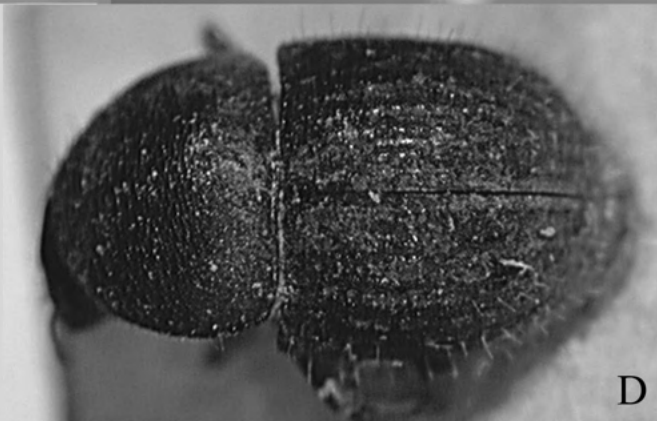
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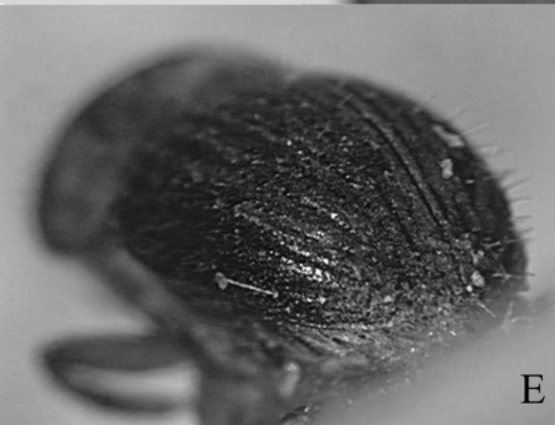
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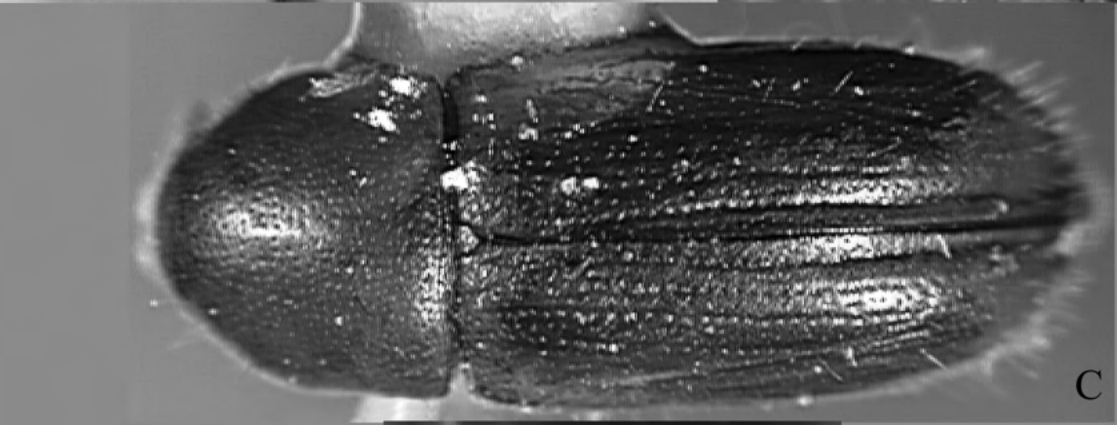
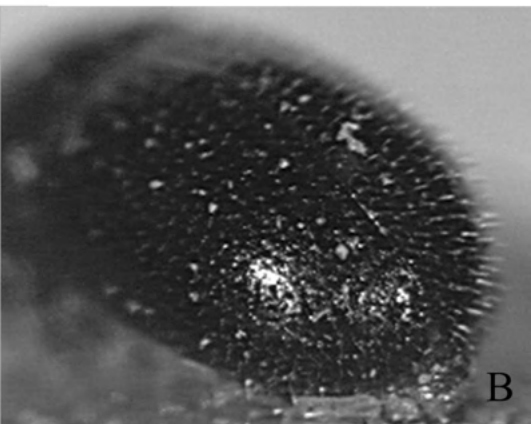
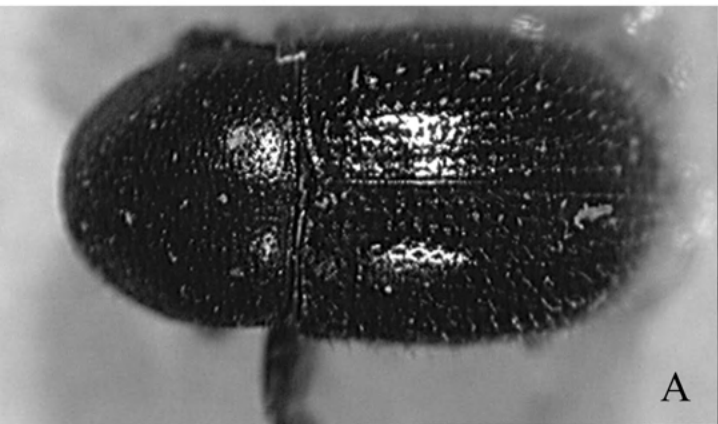
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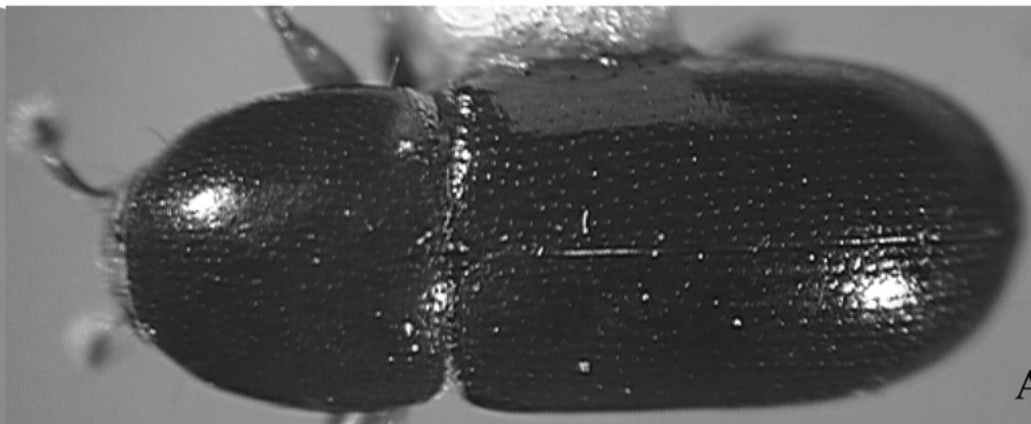


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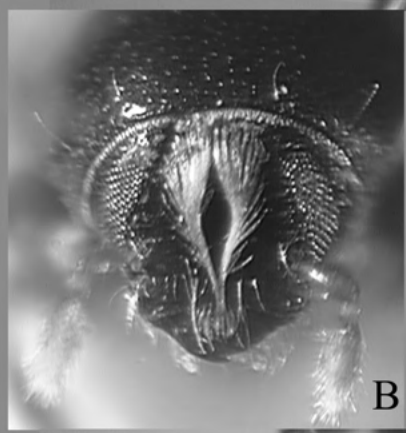


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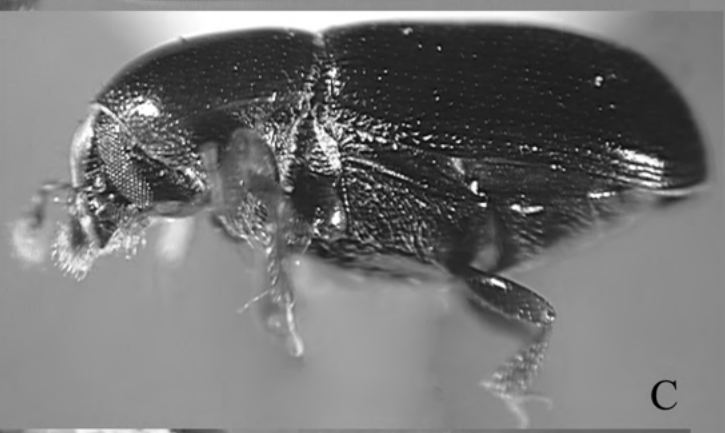




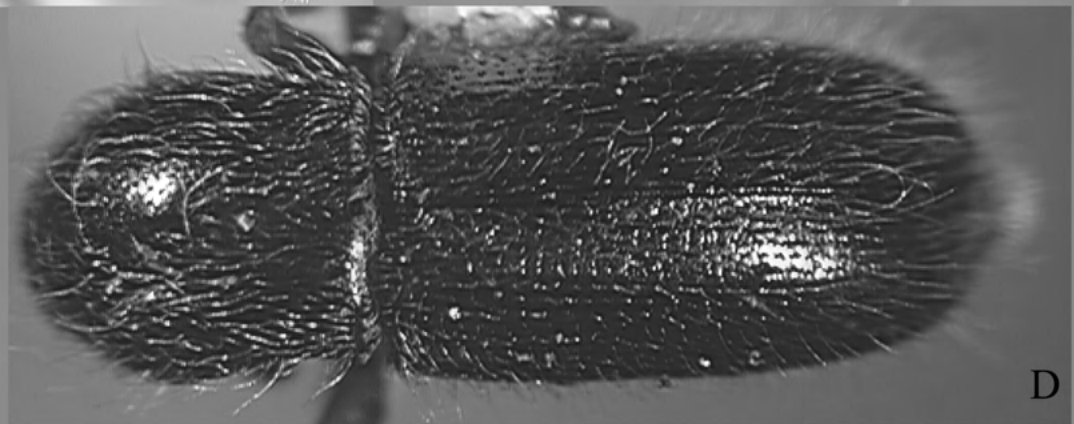
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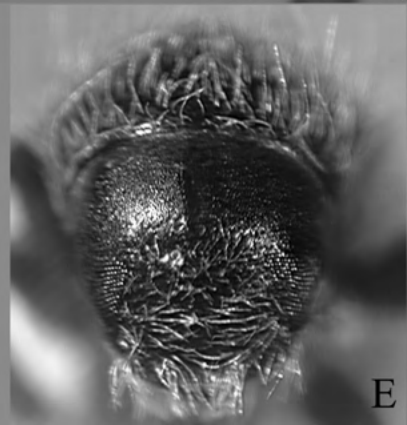
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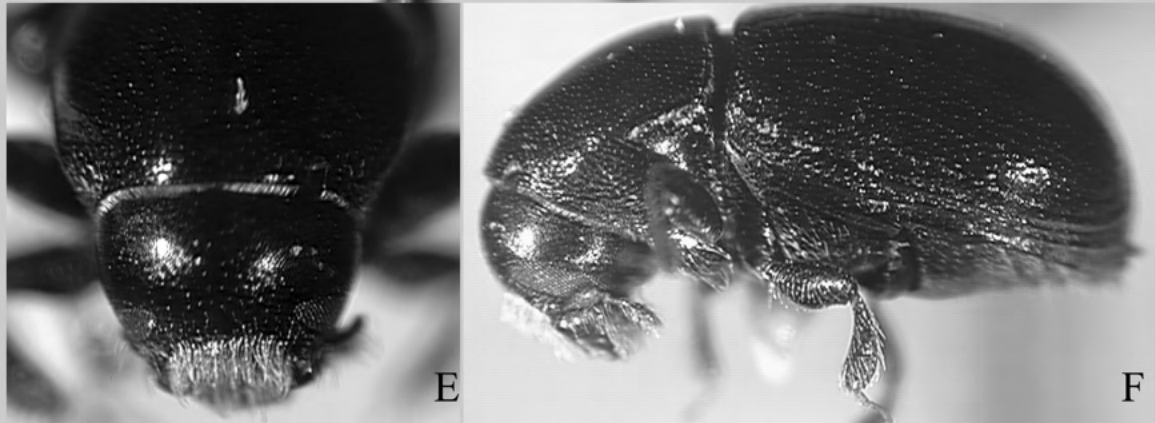
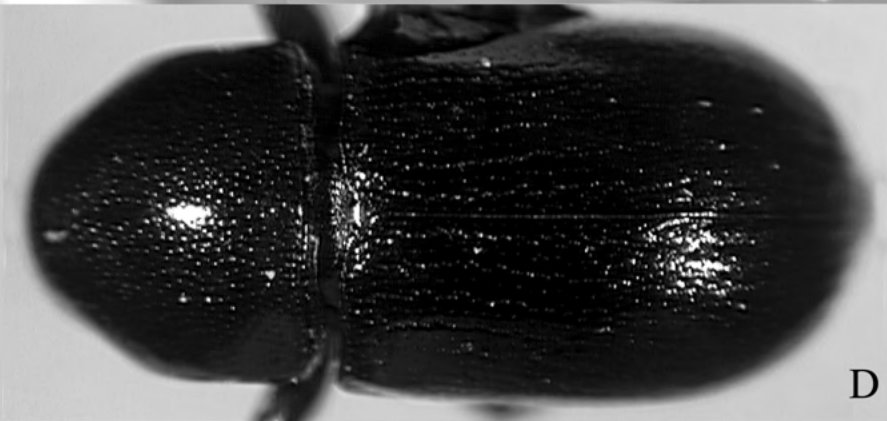
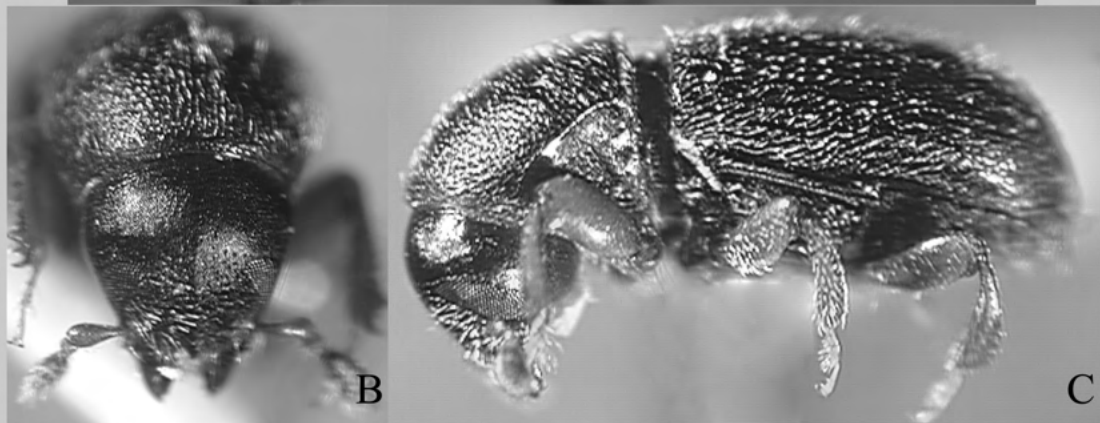
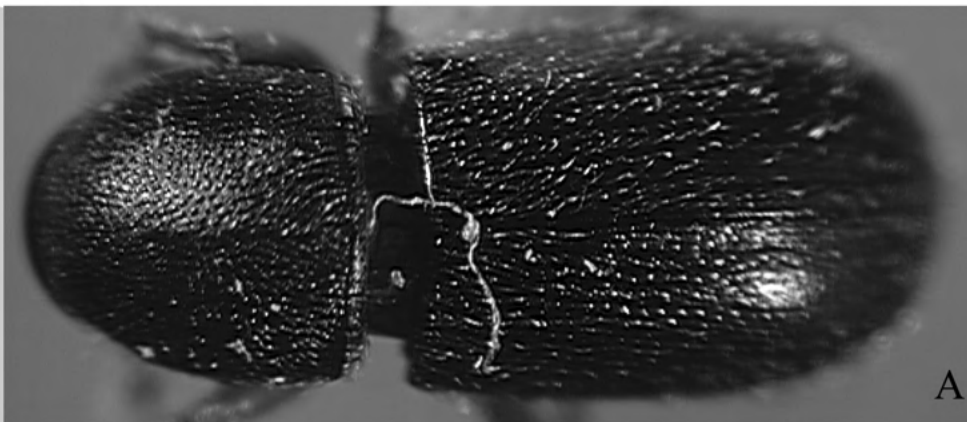
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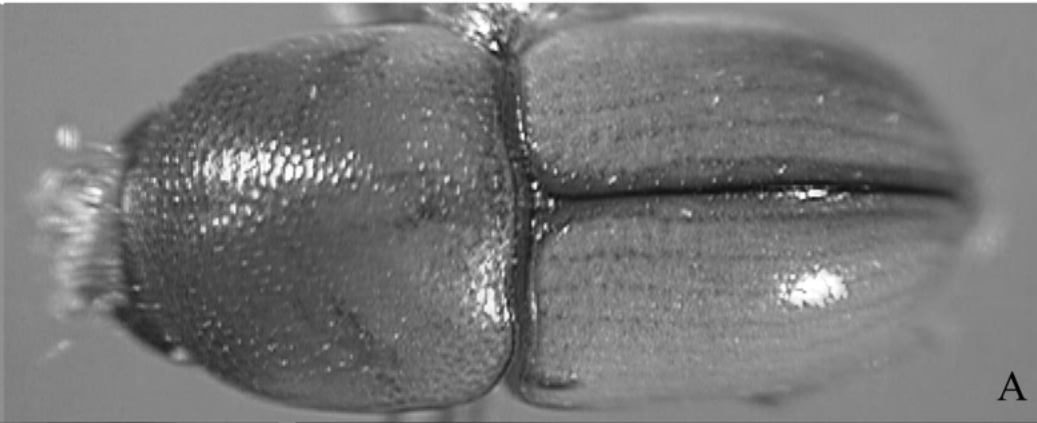


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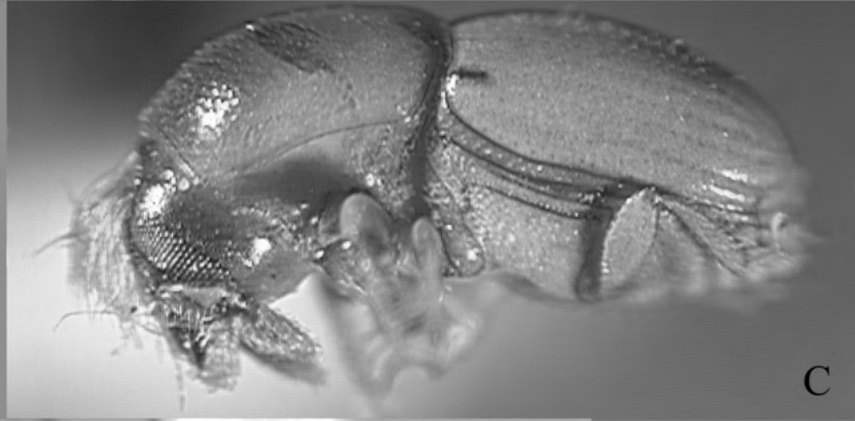




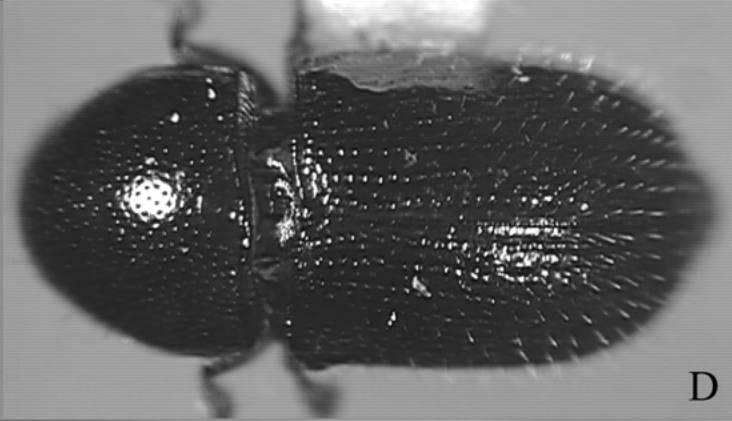
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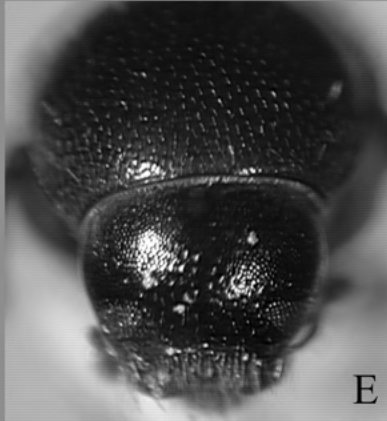
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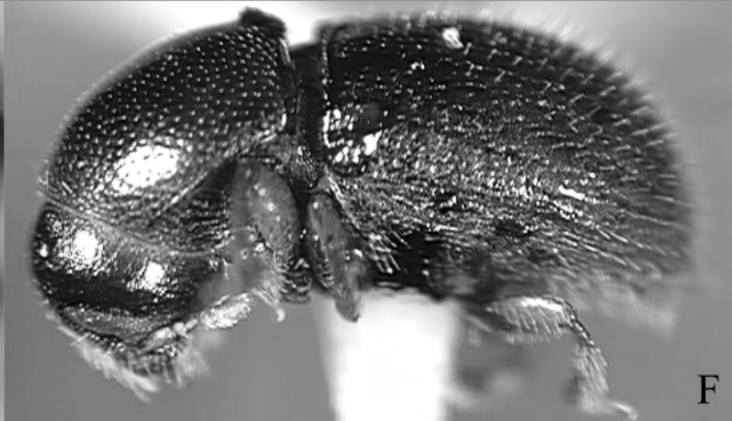
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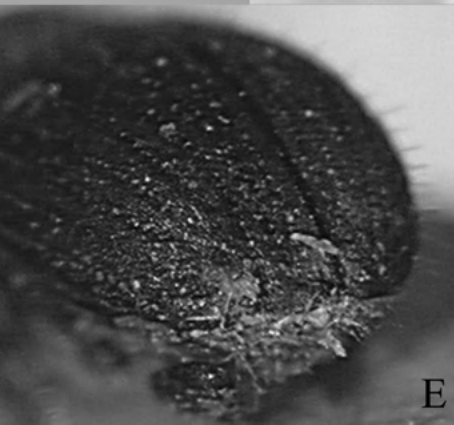
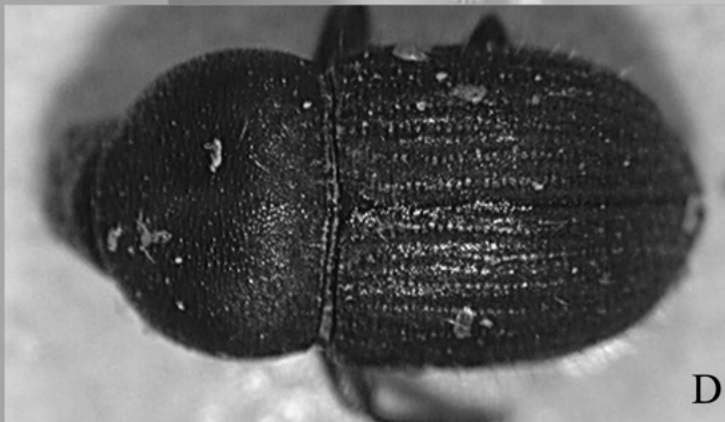
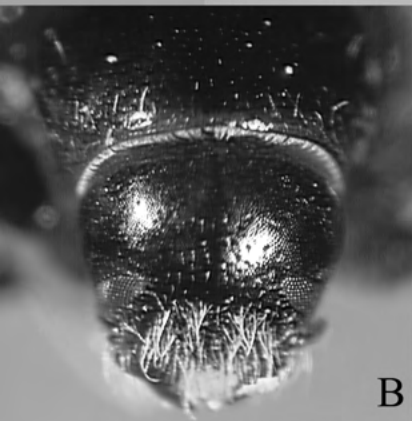
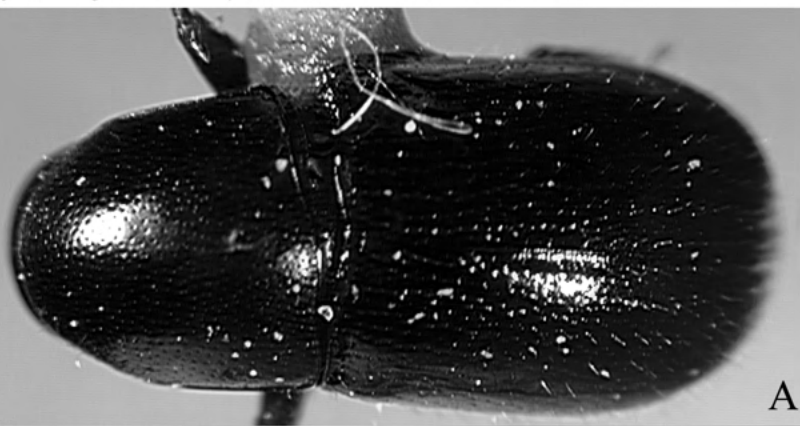
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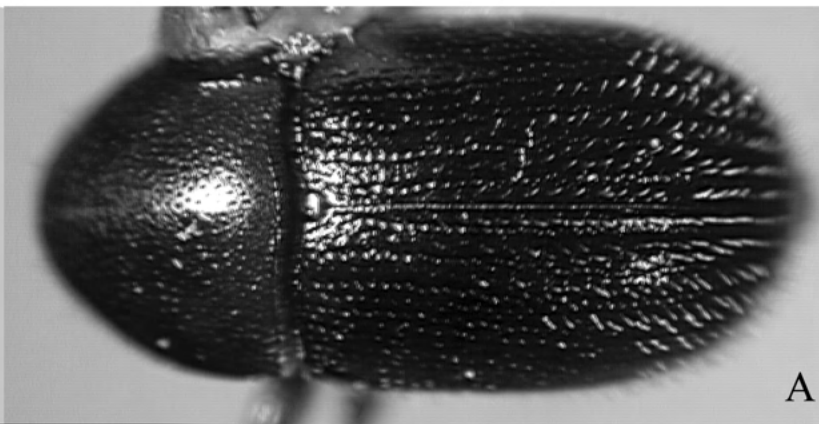


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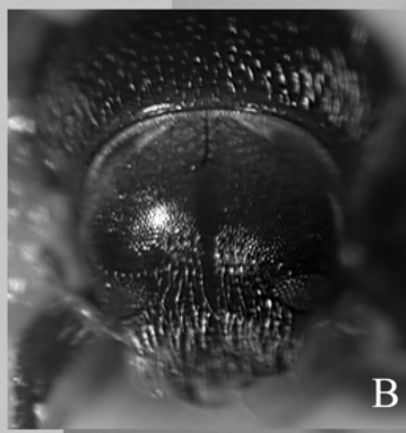


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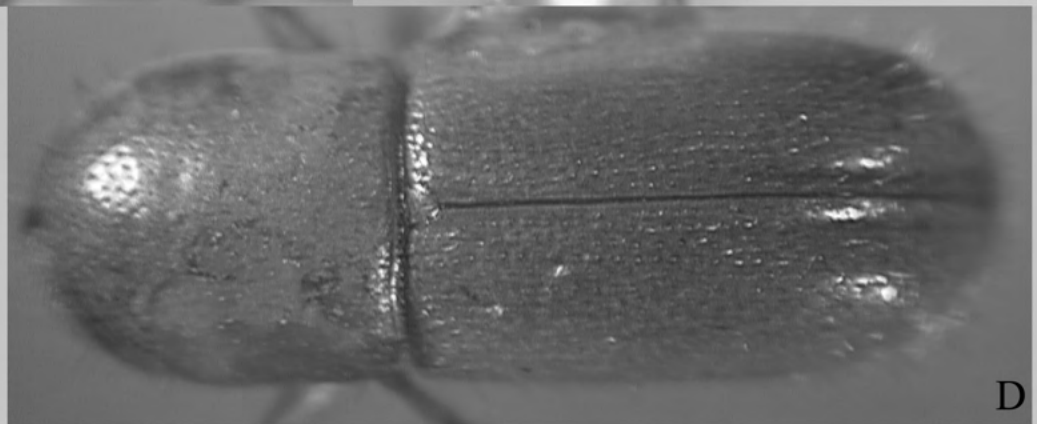
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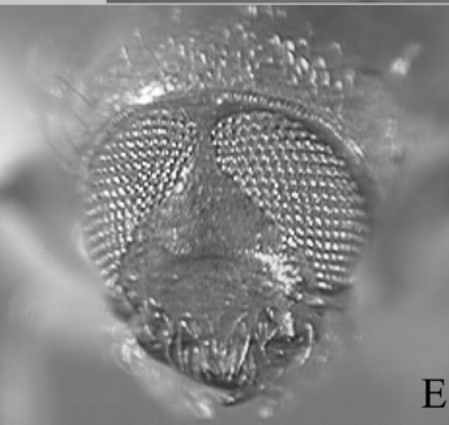
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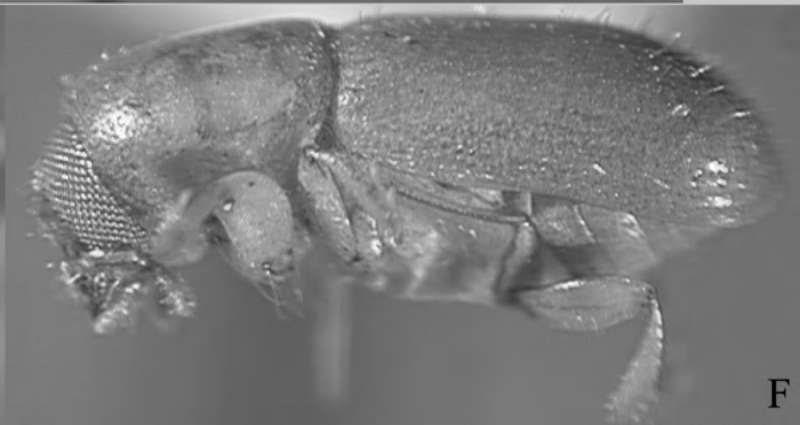
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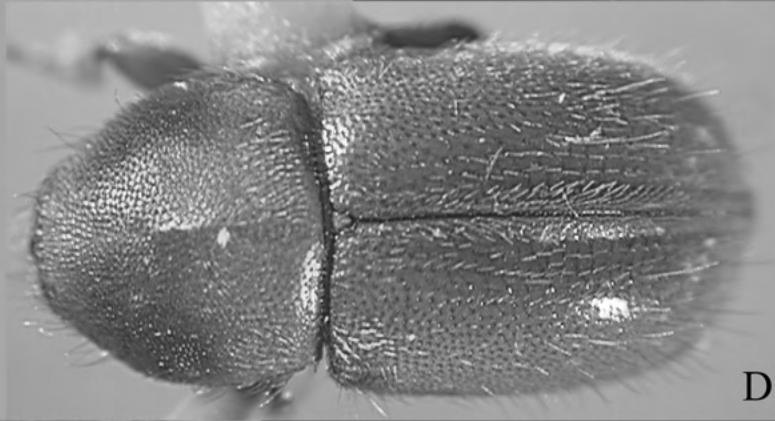
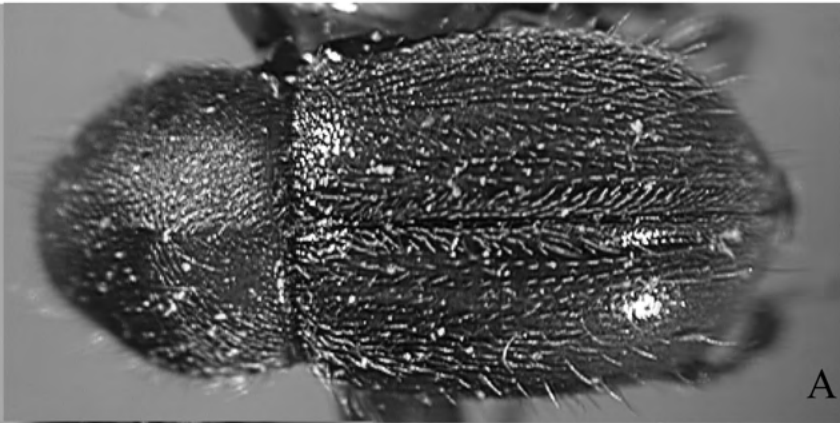
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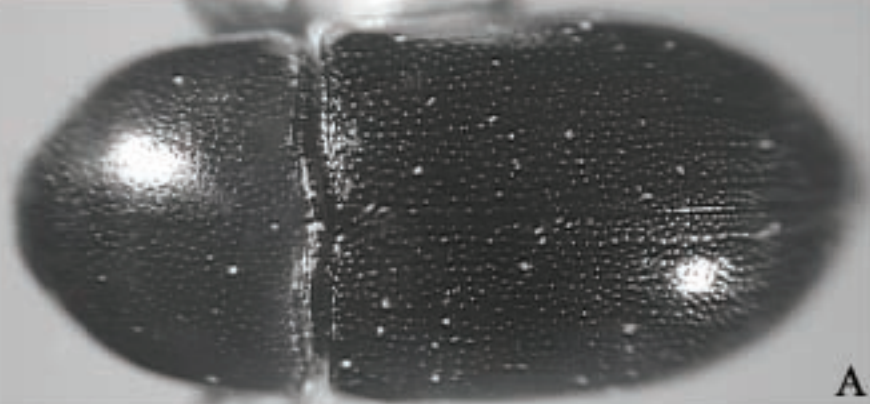


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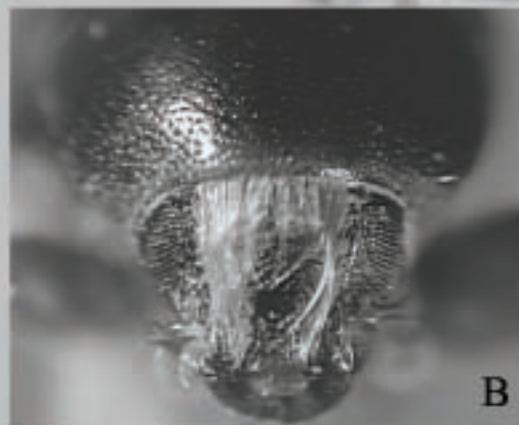


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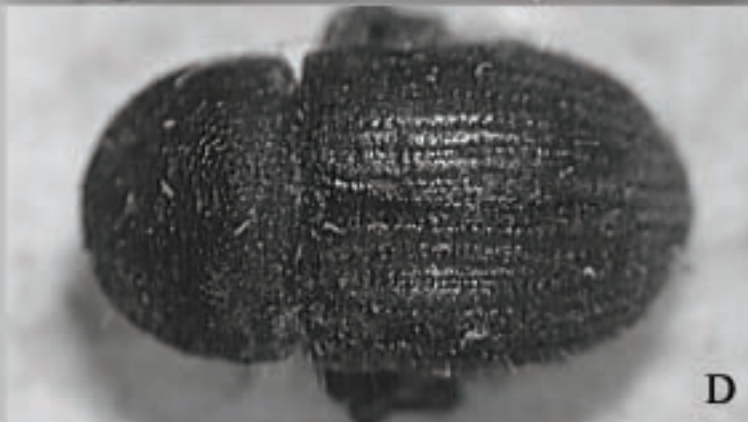
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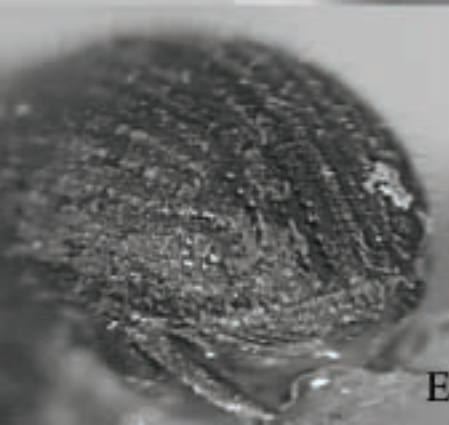
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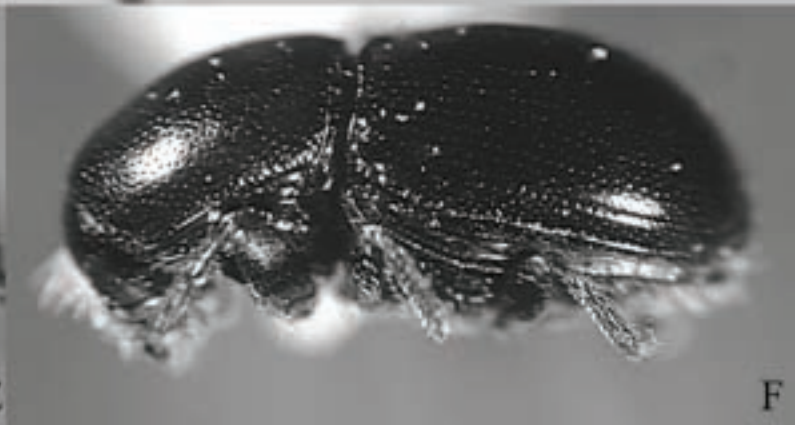
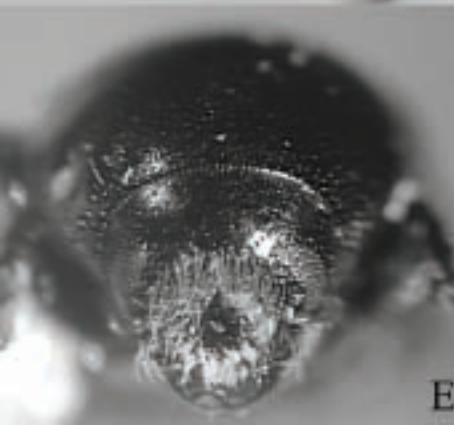
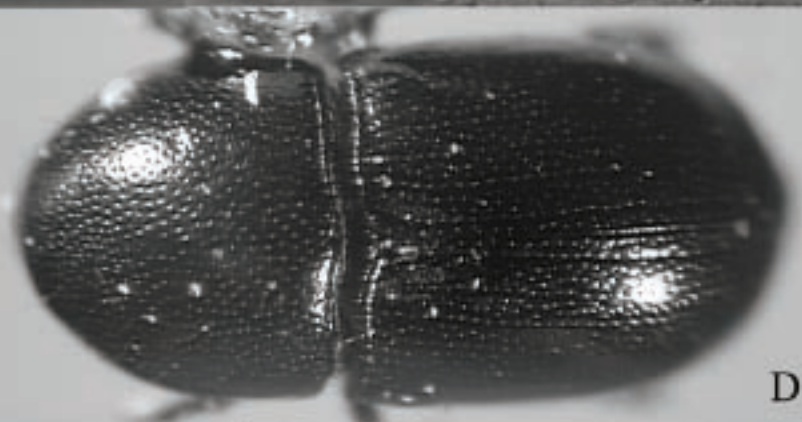
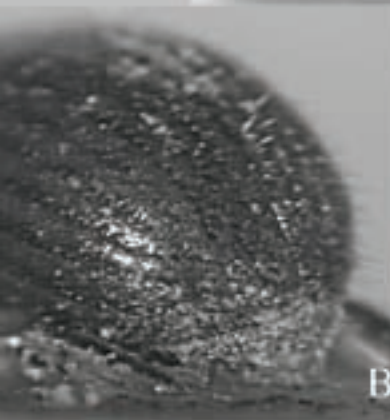
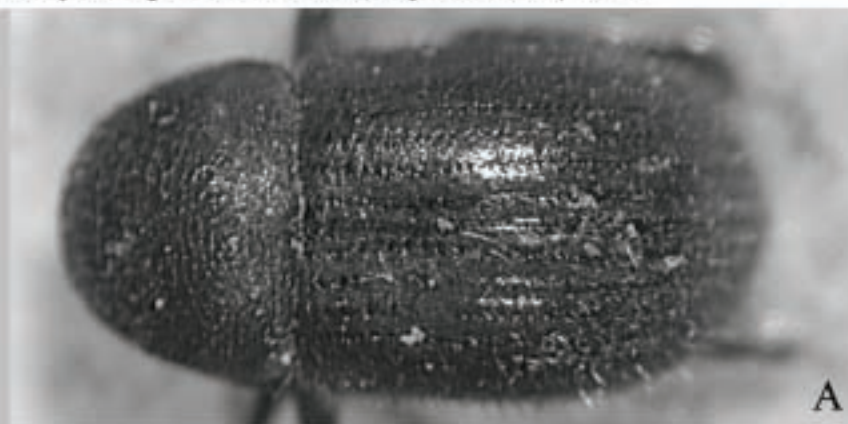
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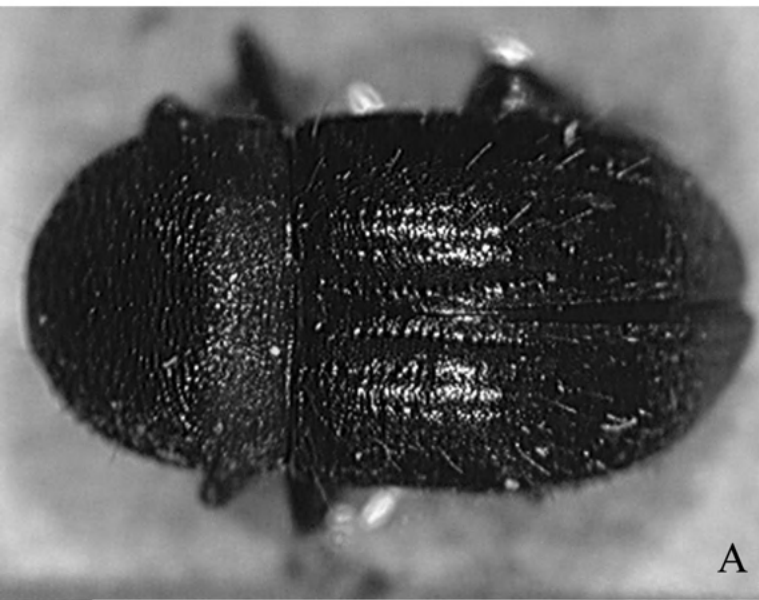


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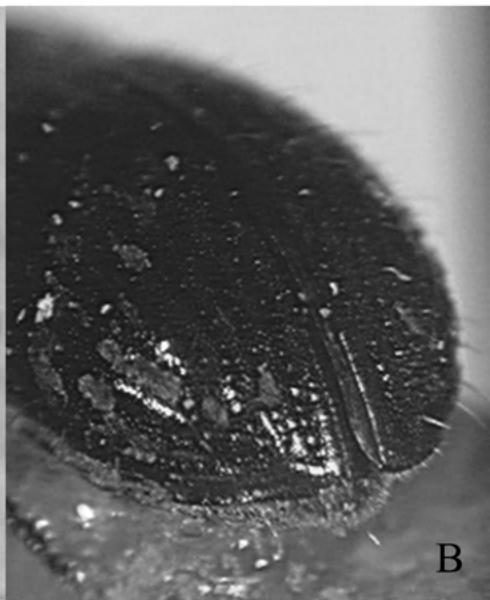


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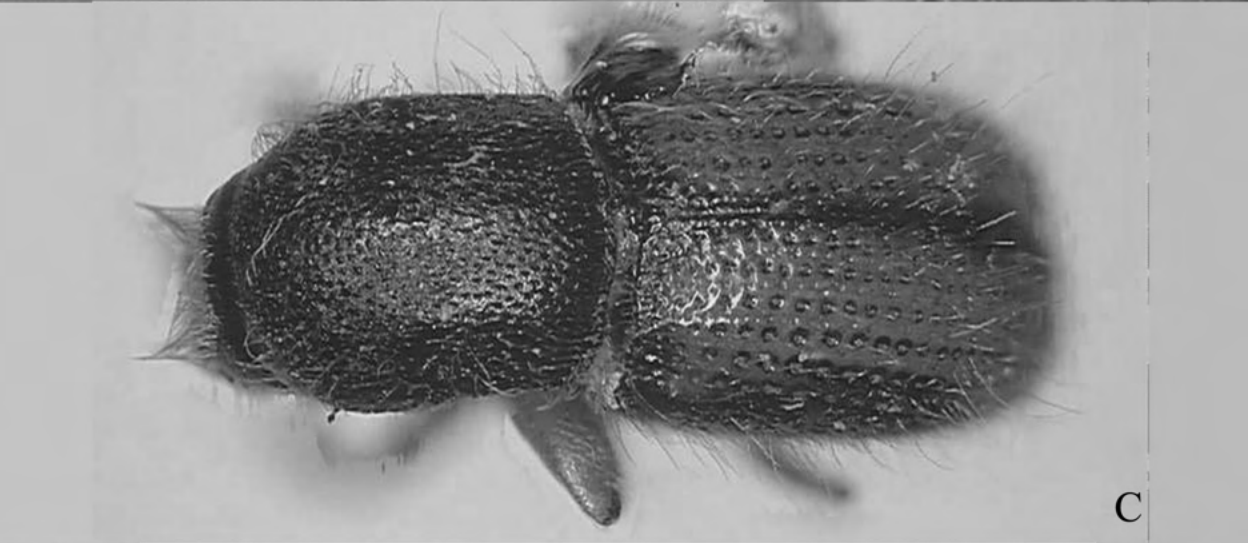




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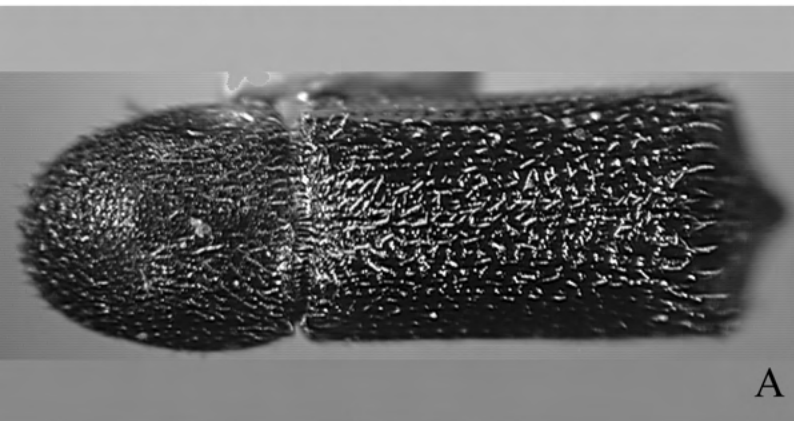
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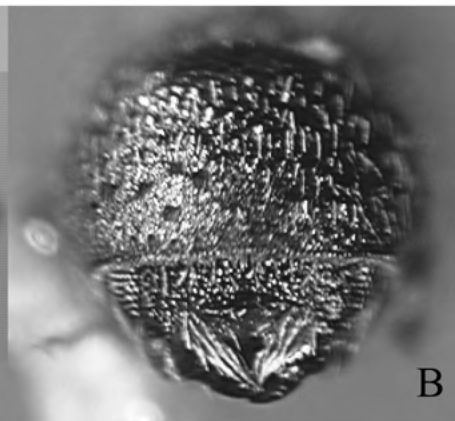
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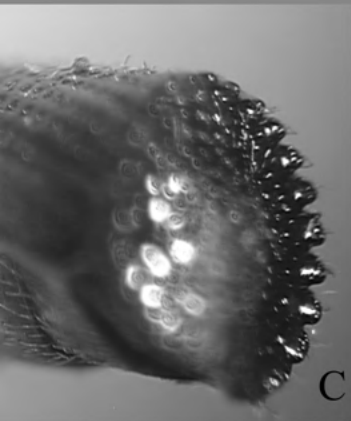
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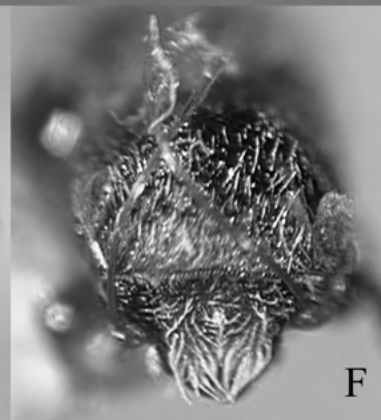
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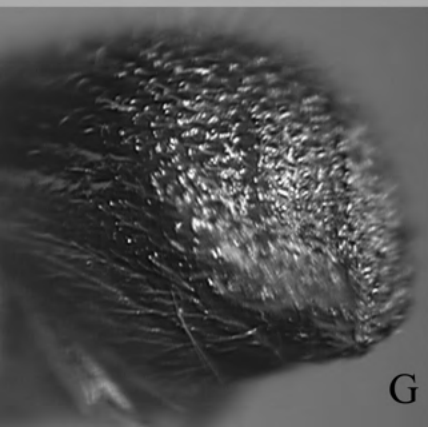
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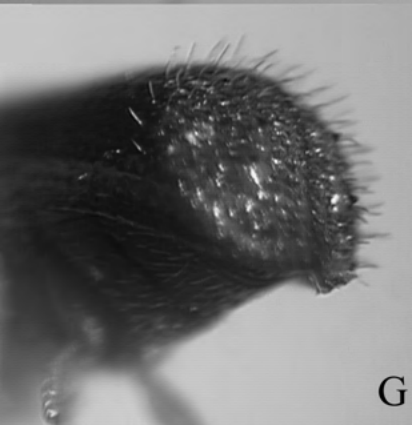
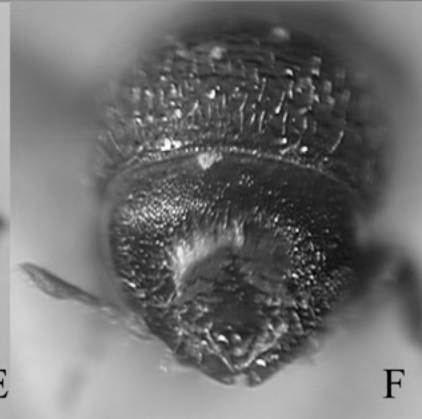
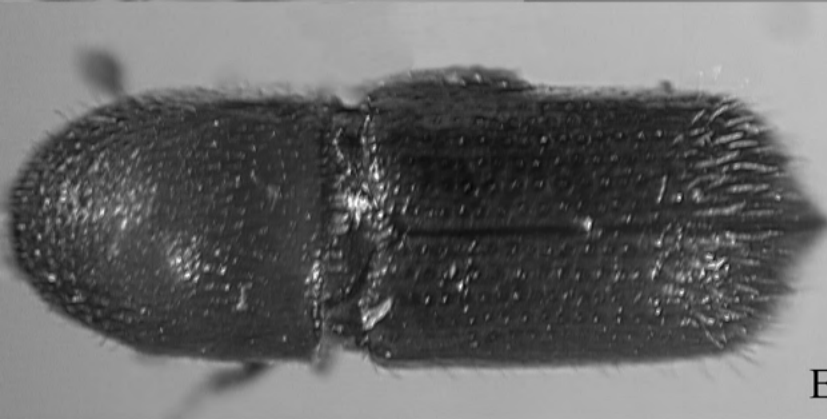
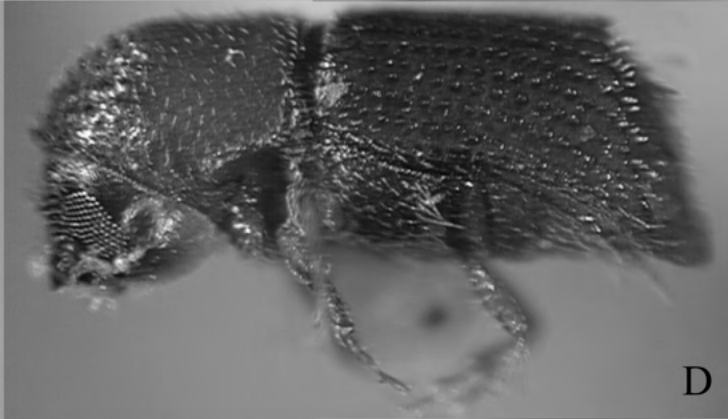
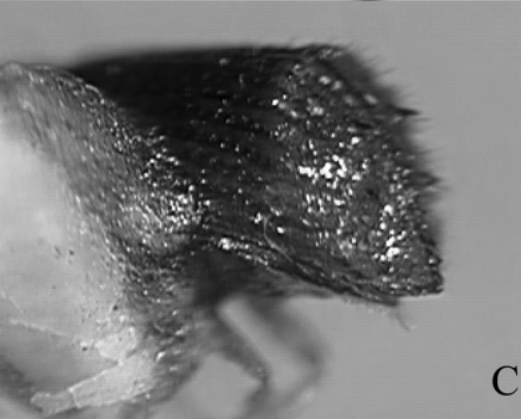
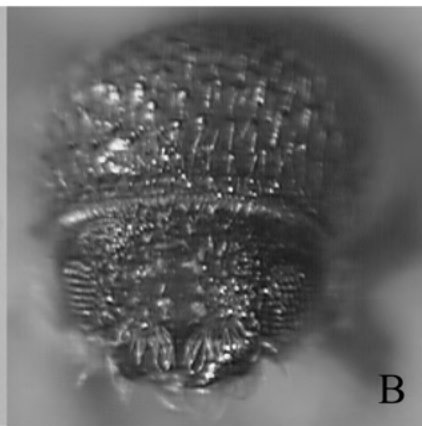
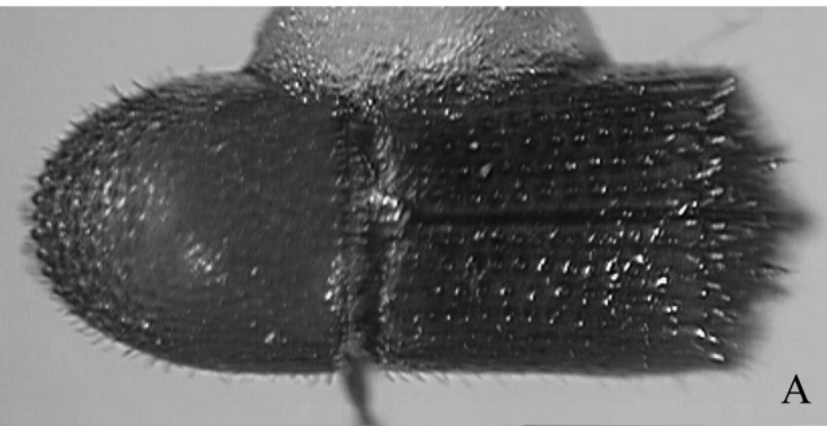
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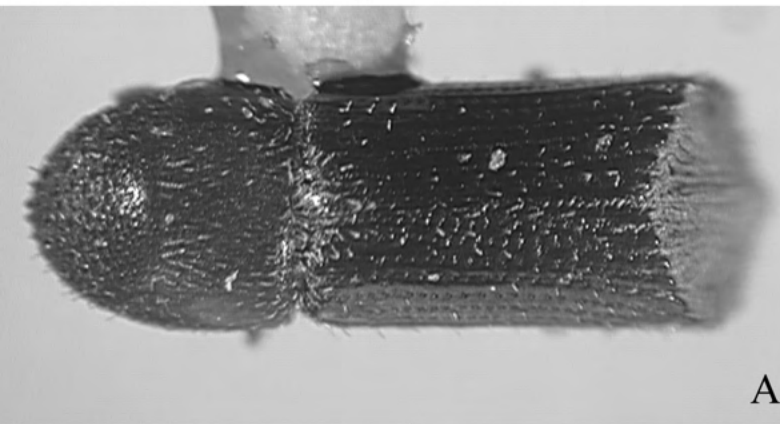


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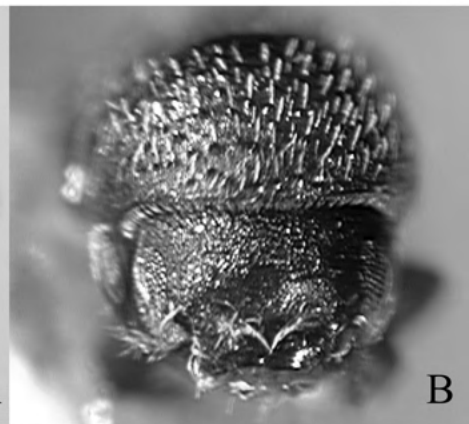


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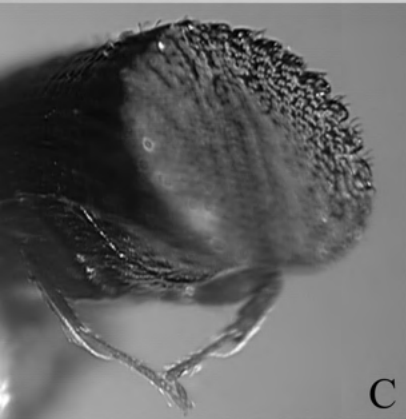




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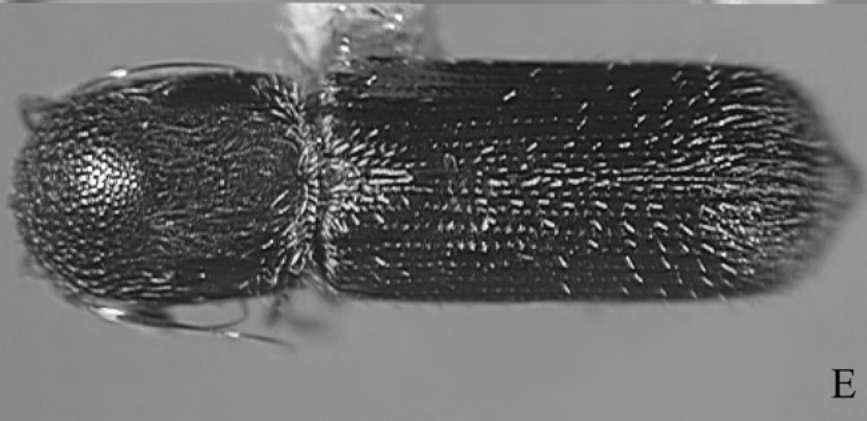
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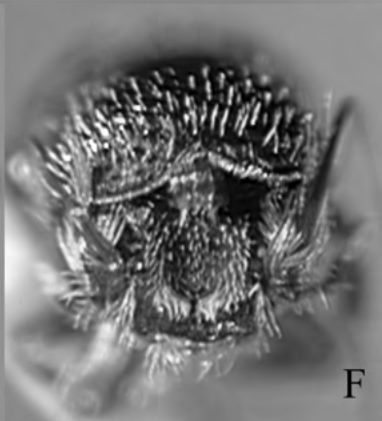
C



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E



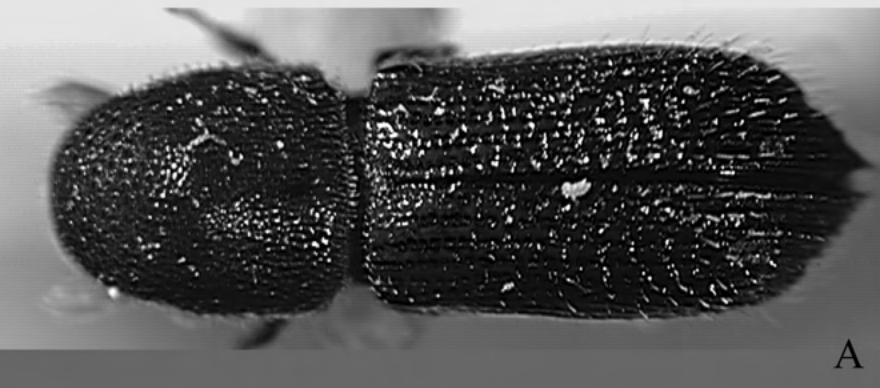
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A



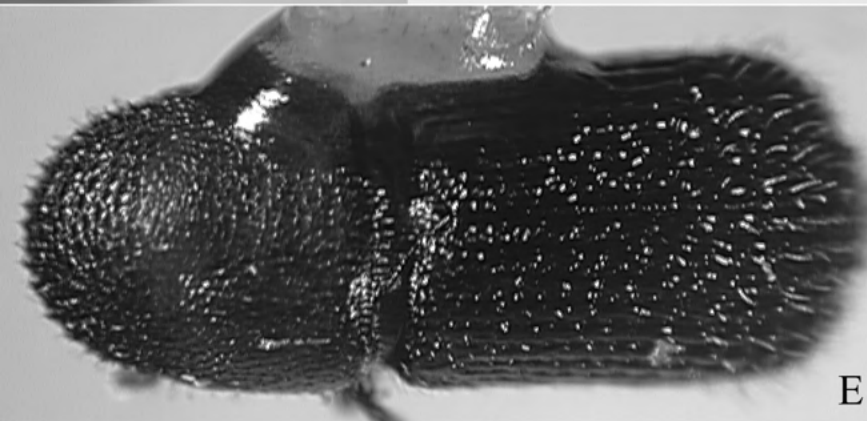
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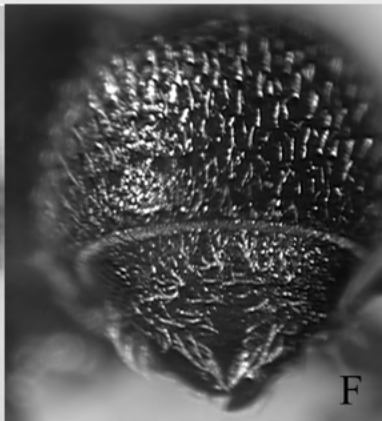
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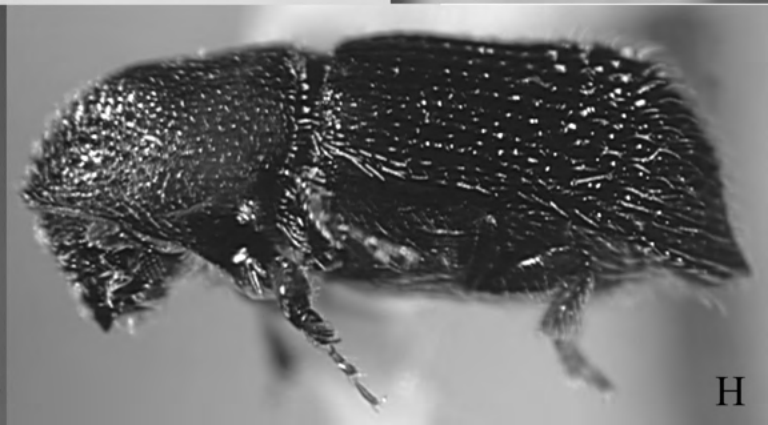
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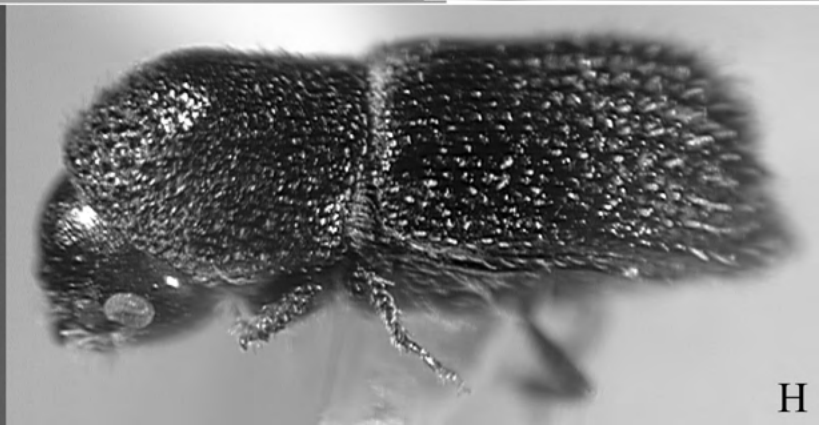
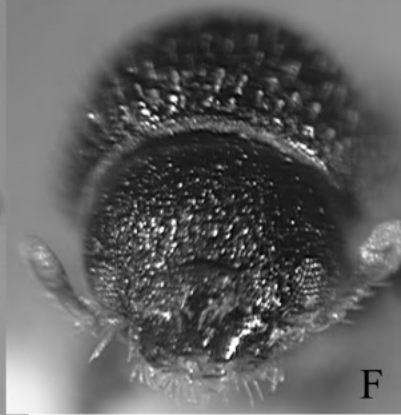
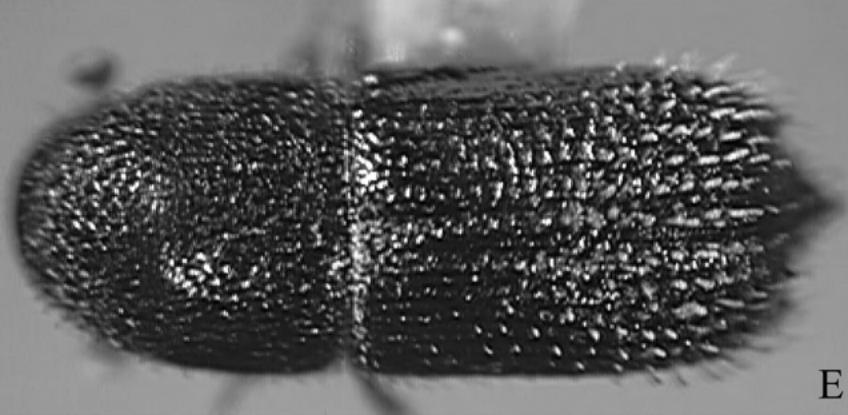
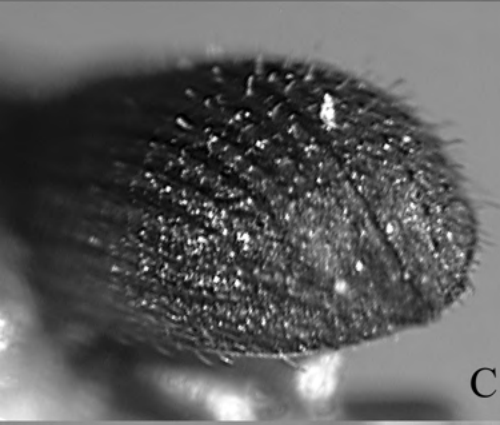
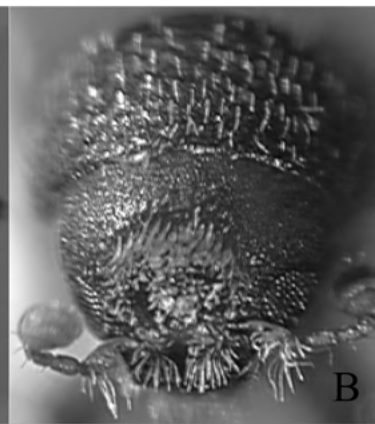
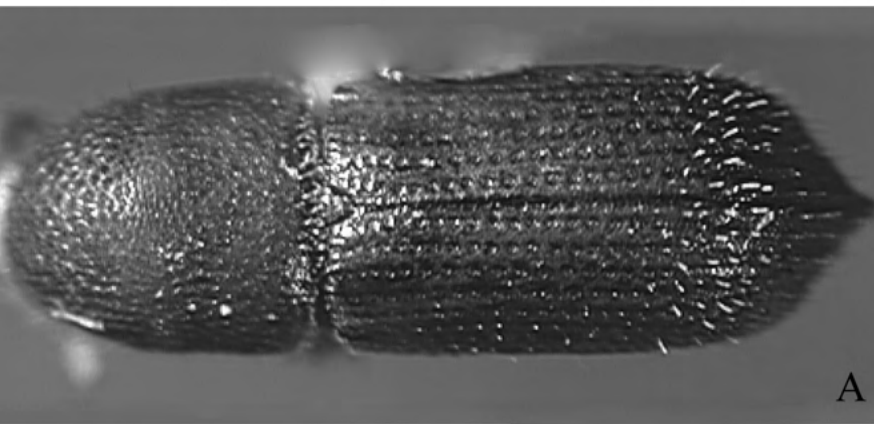
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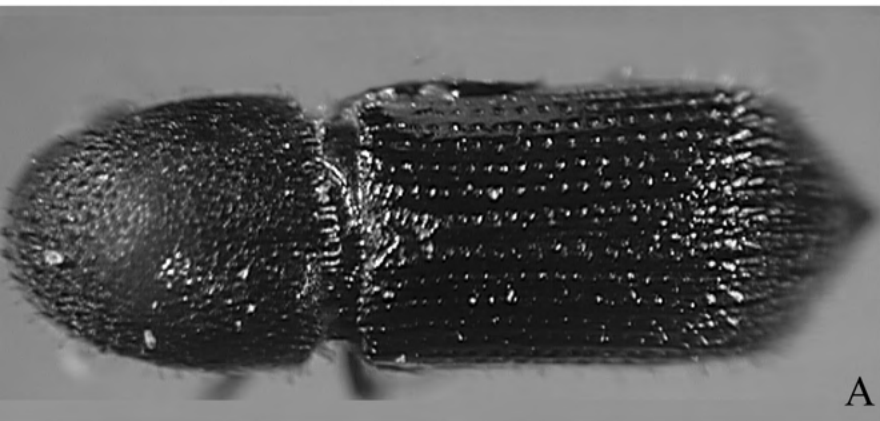


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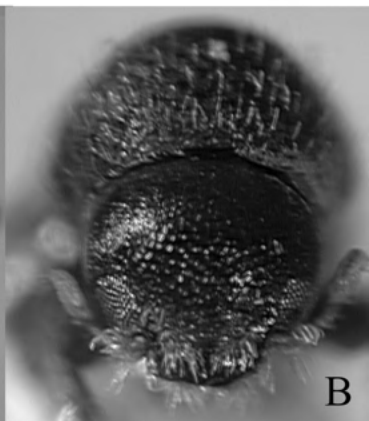


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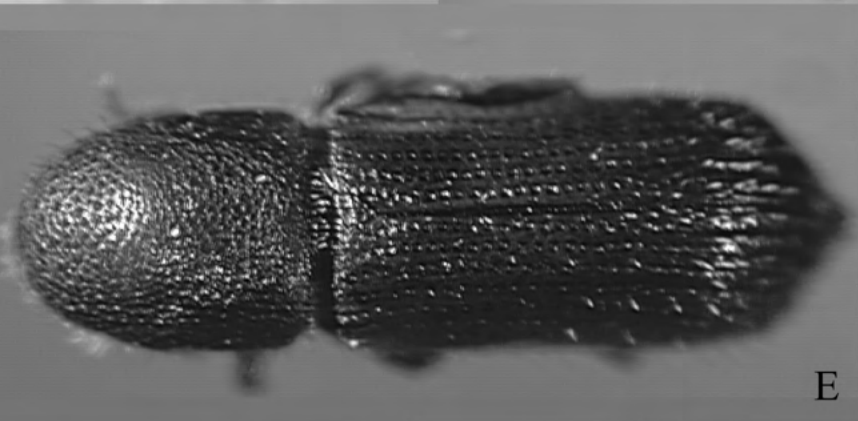
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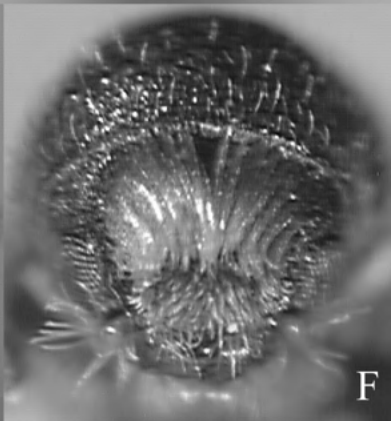
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D



E



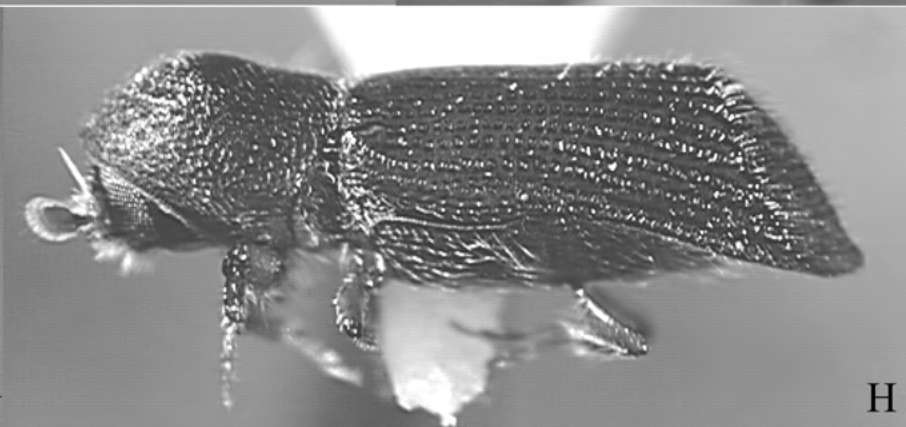
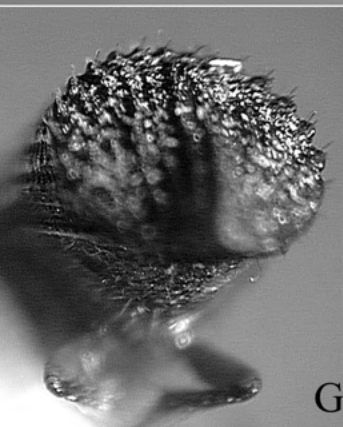
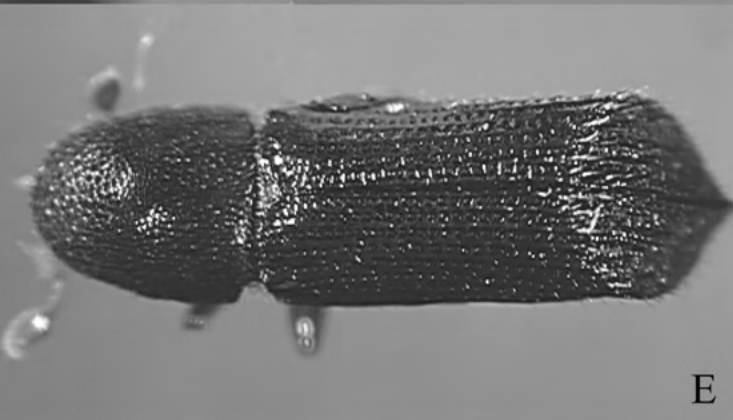
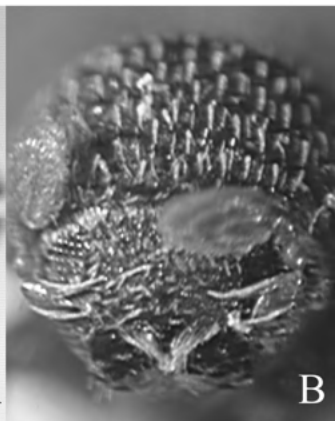
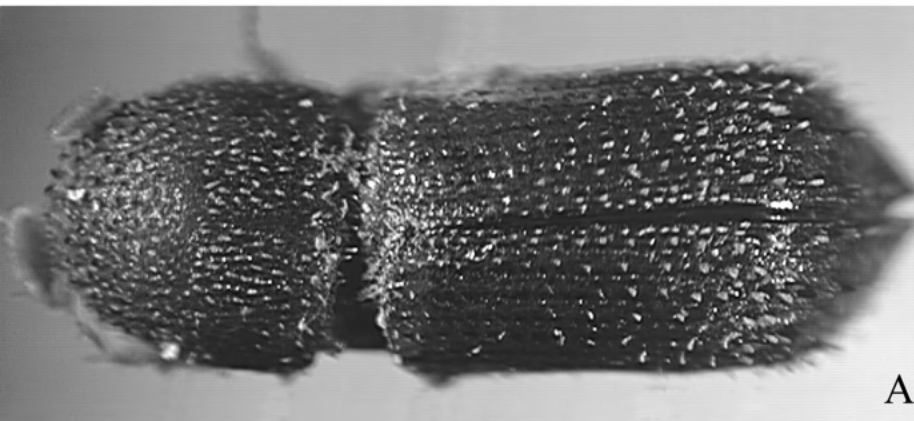
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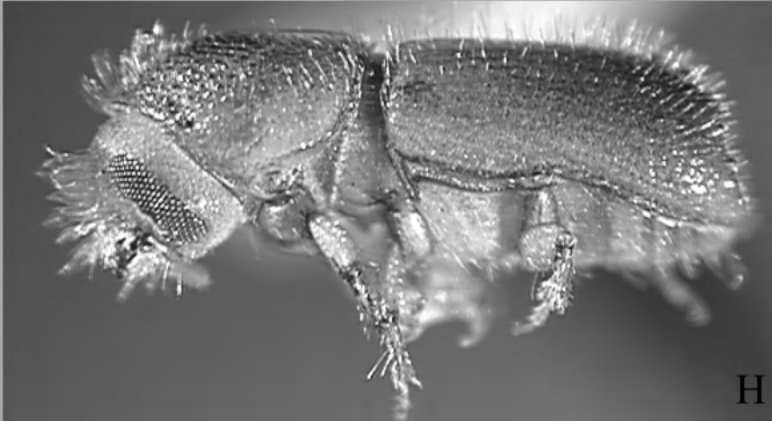
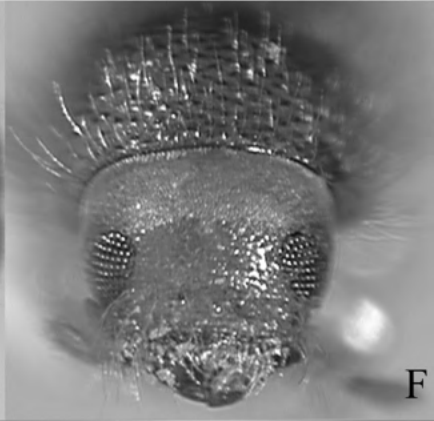
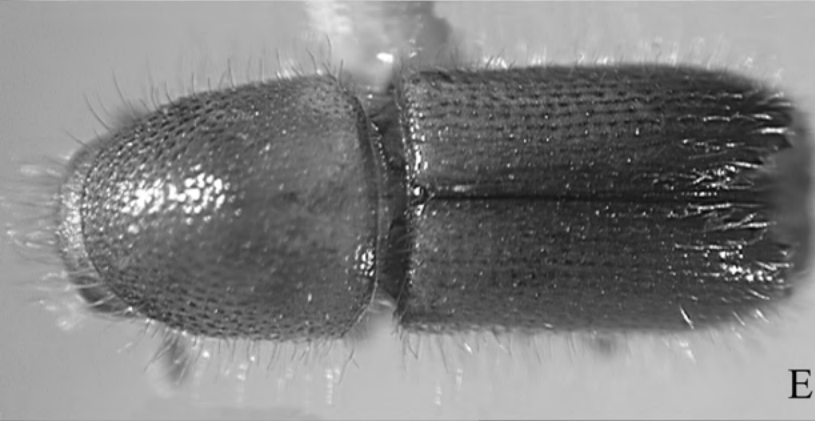
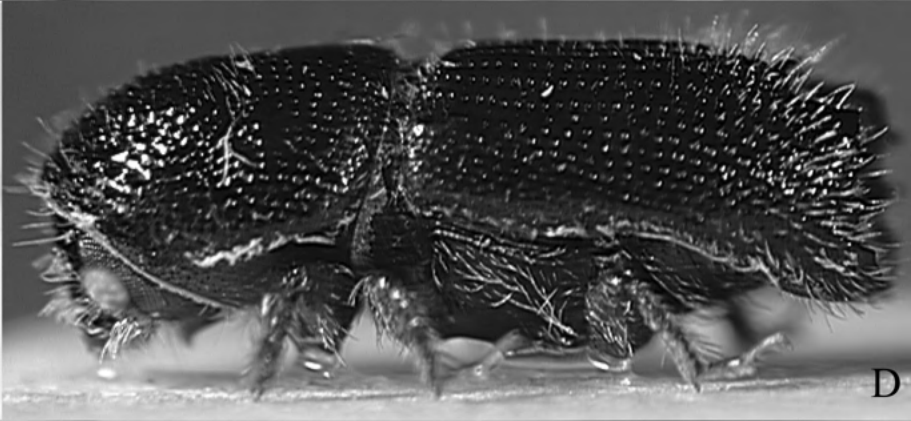
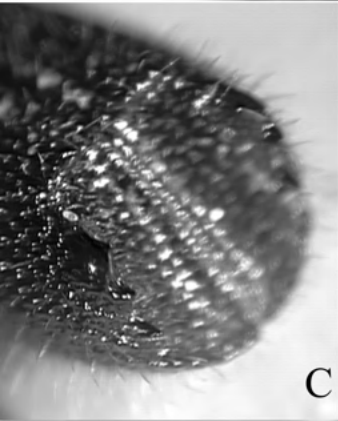
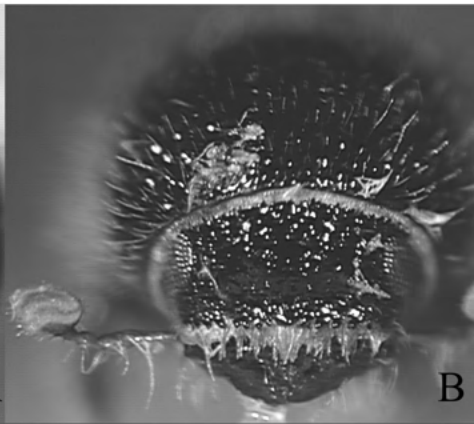
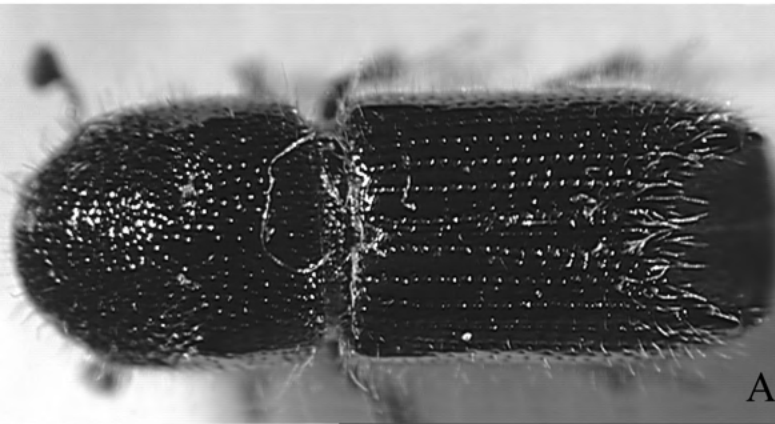
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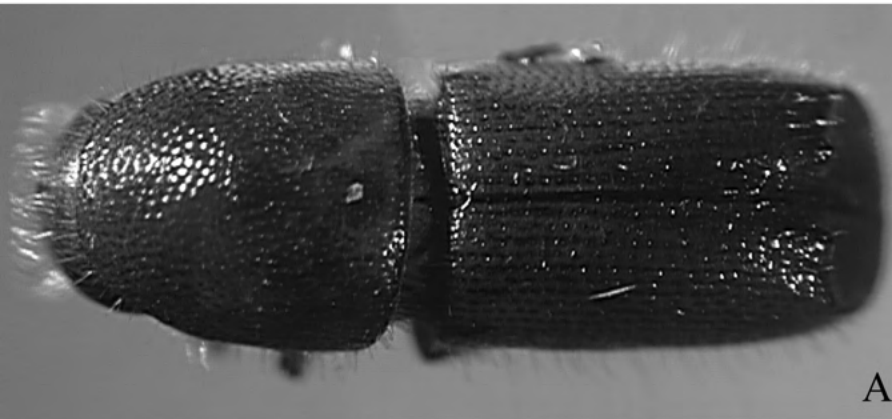


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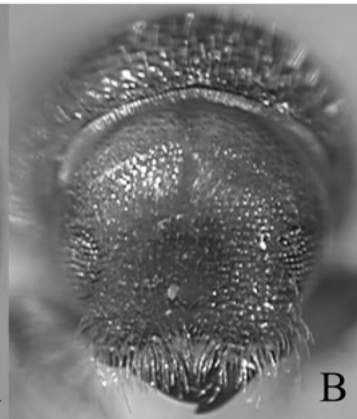




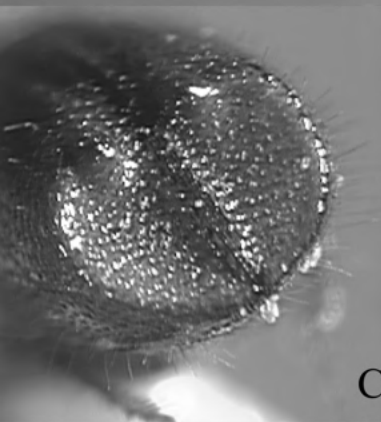




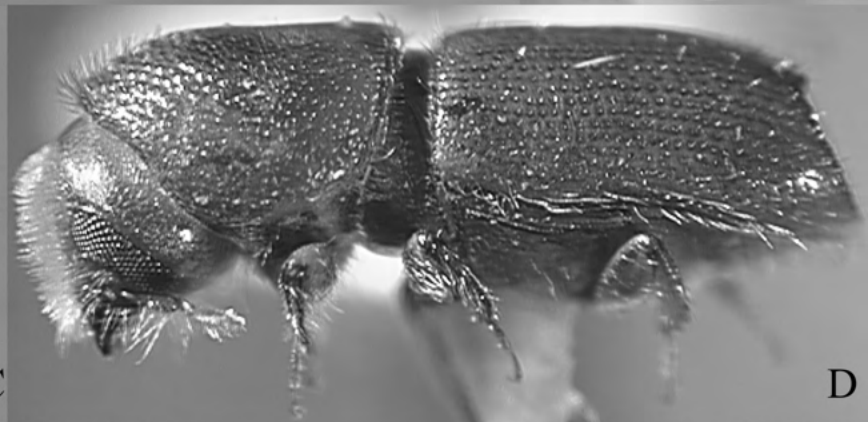
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B



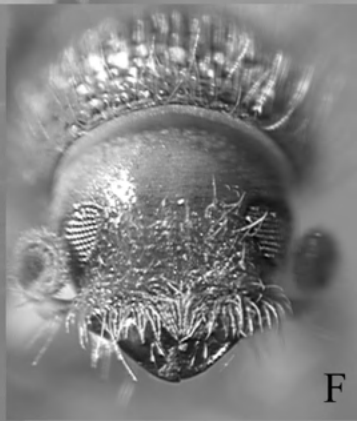
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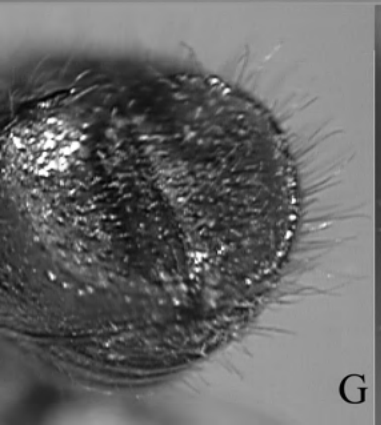
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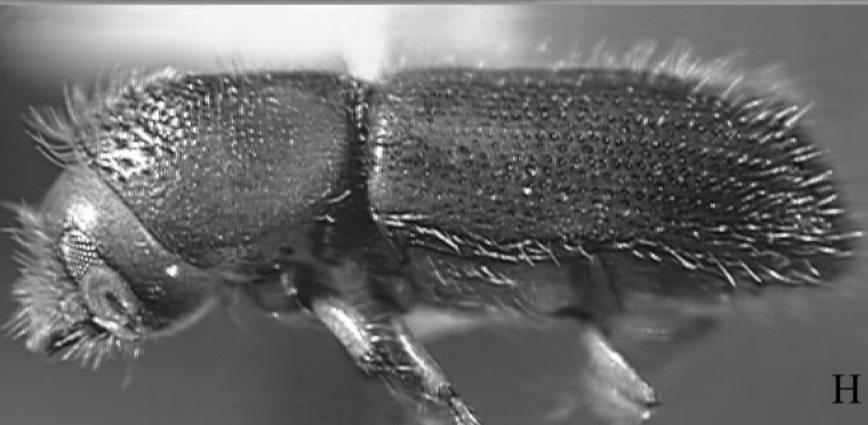
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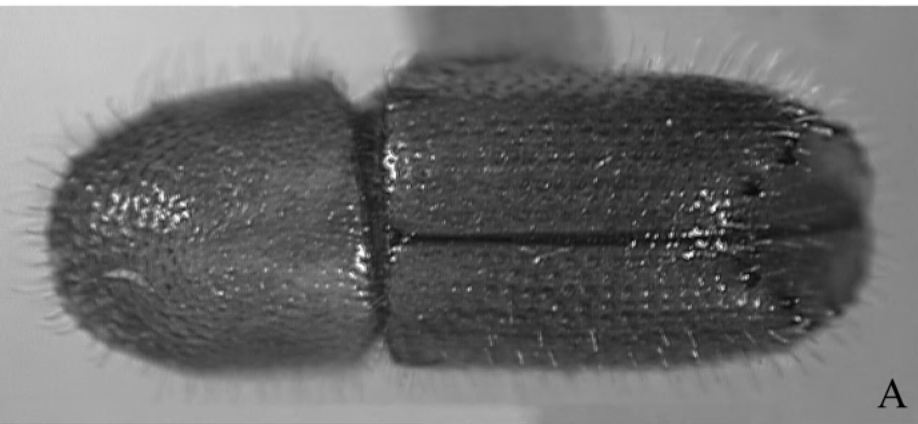
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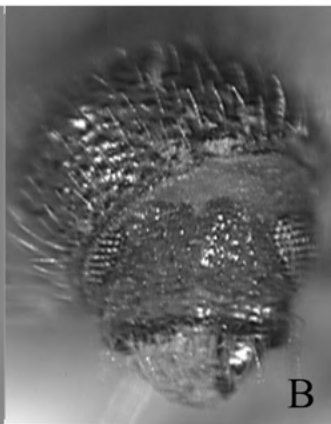
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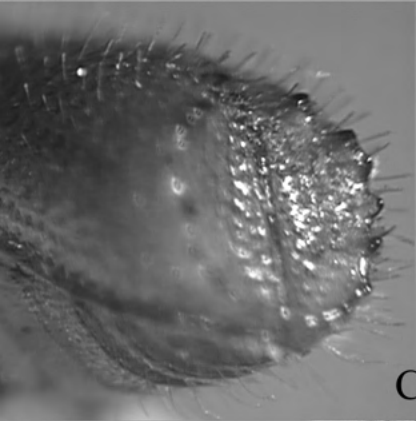
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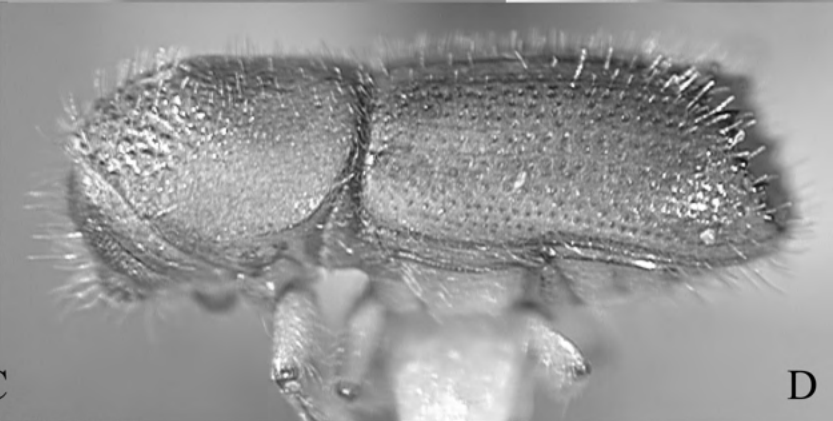
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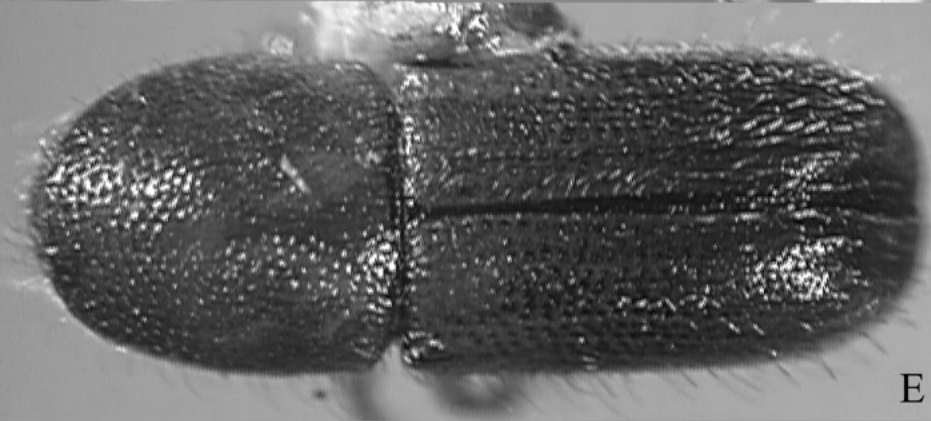
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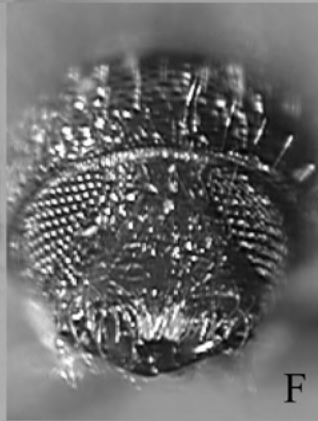
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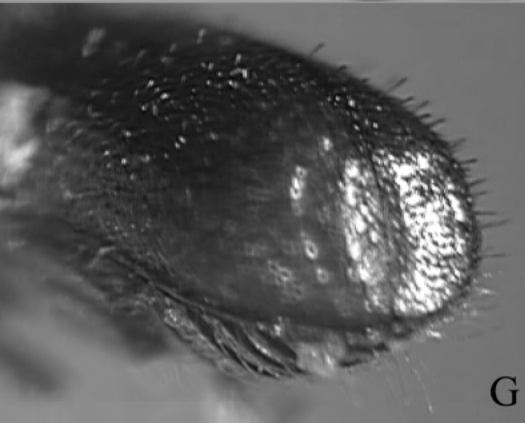
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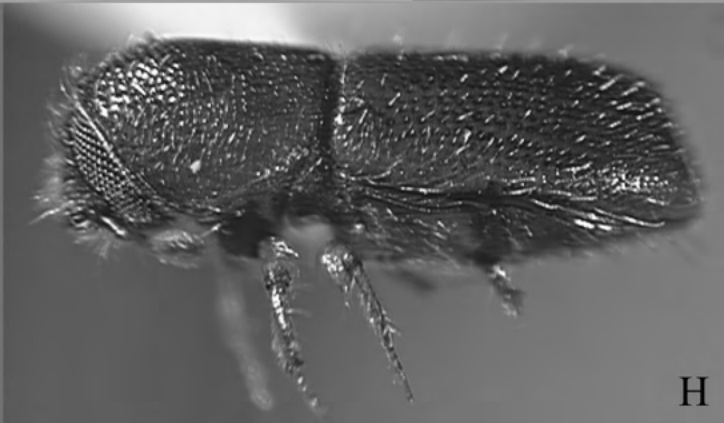
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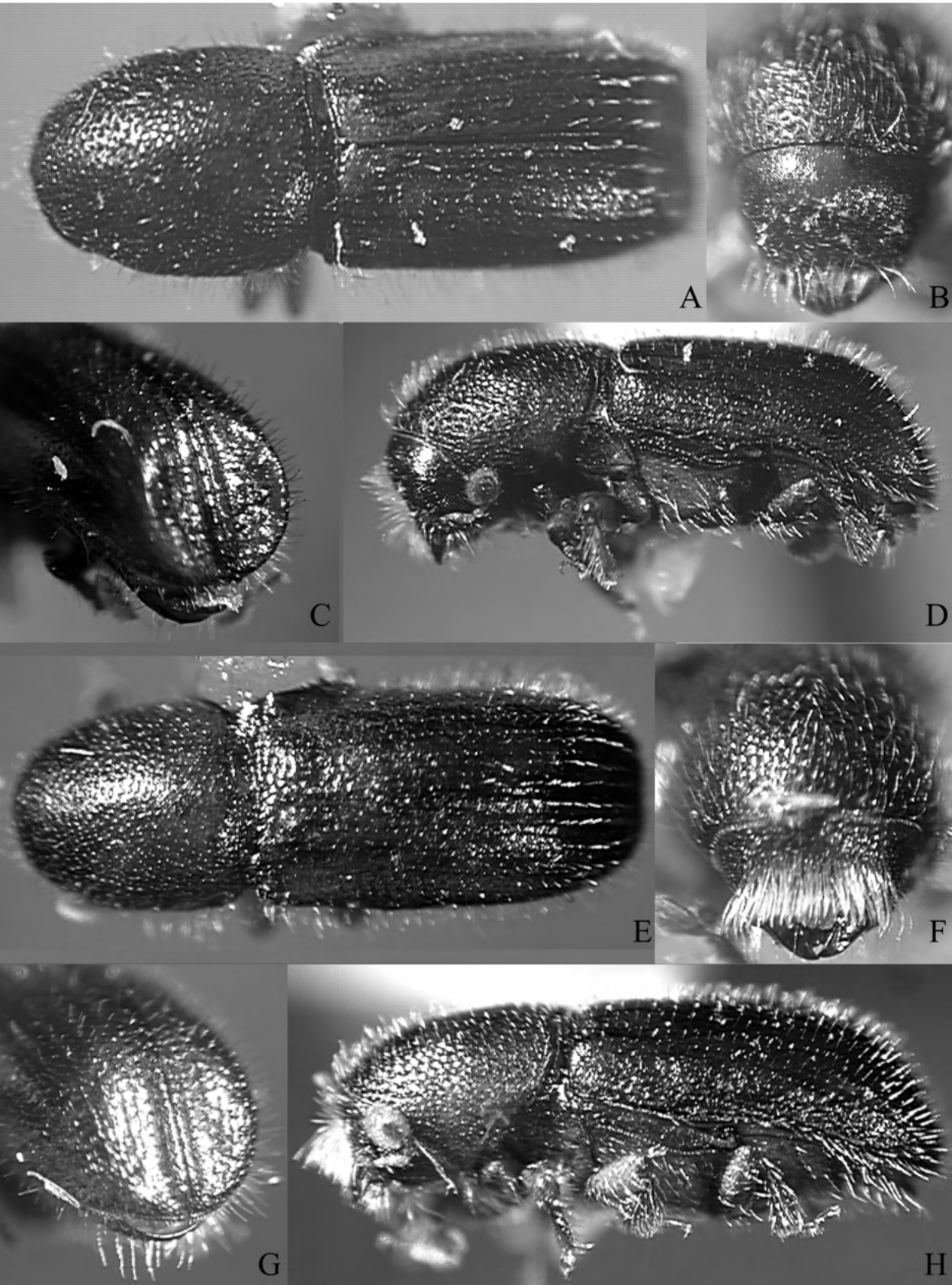
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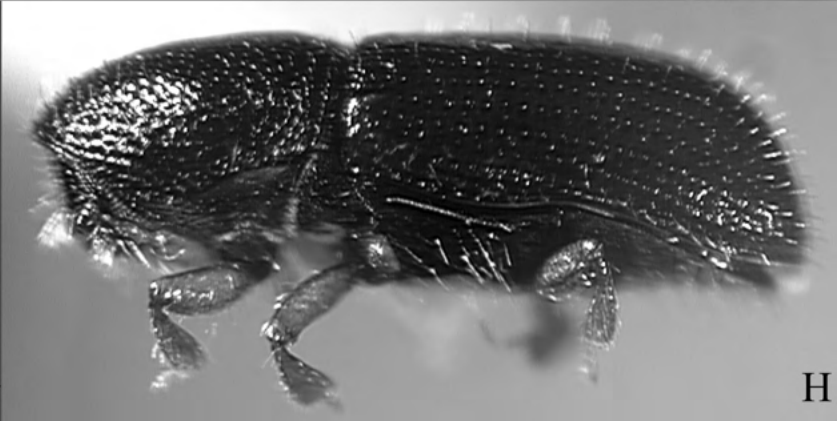
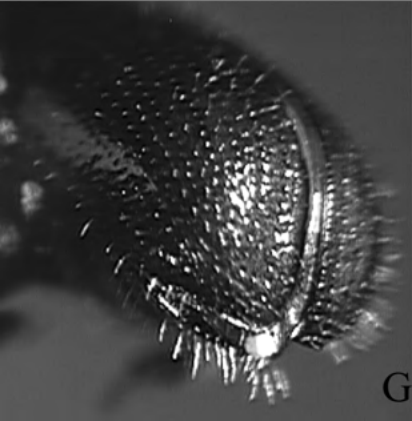
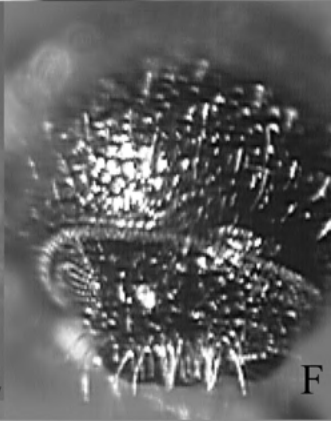
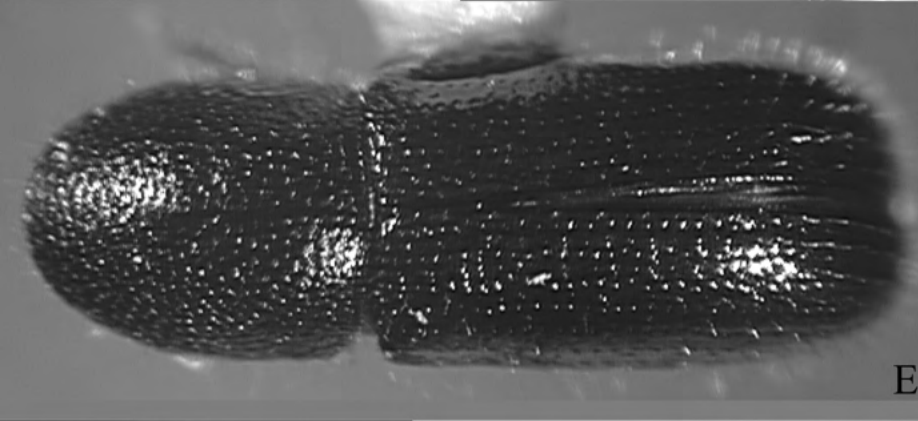
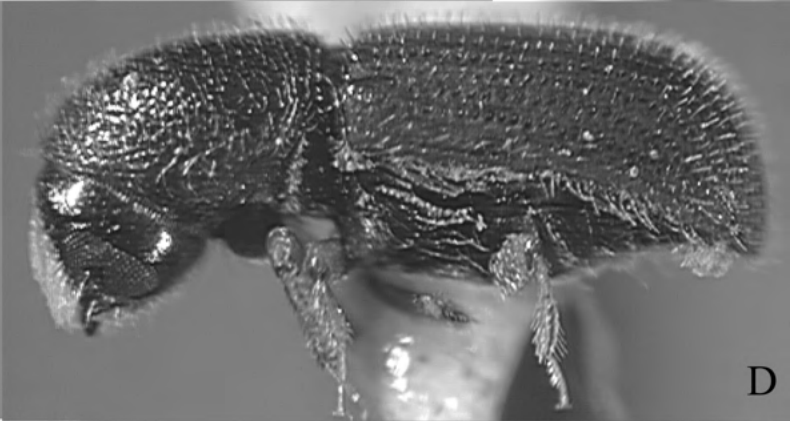
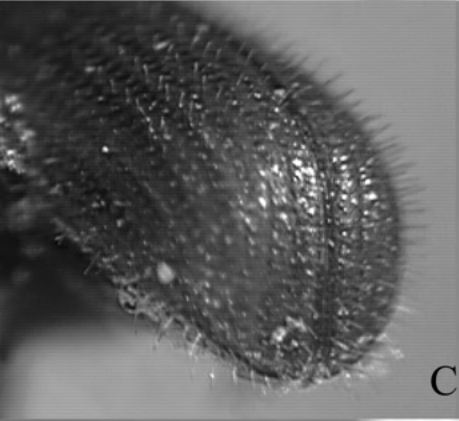
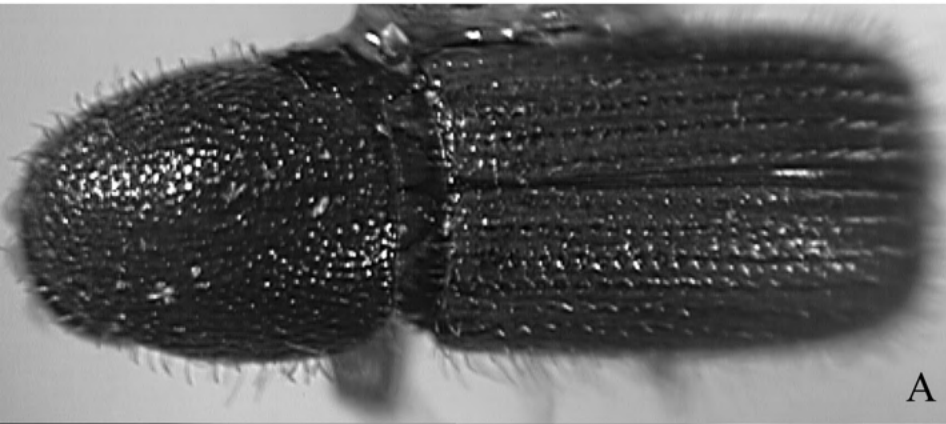


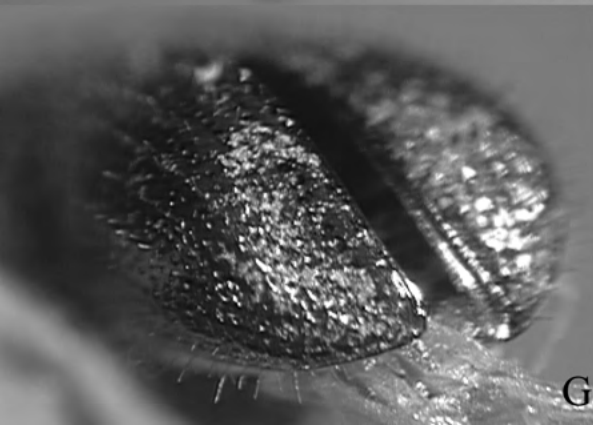
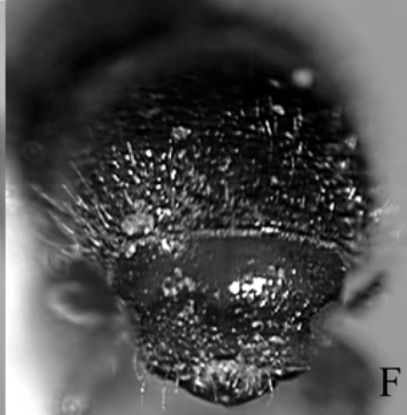
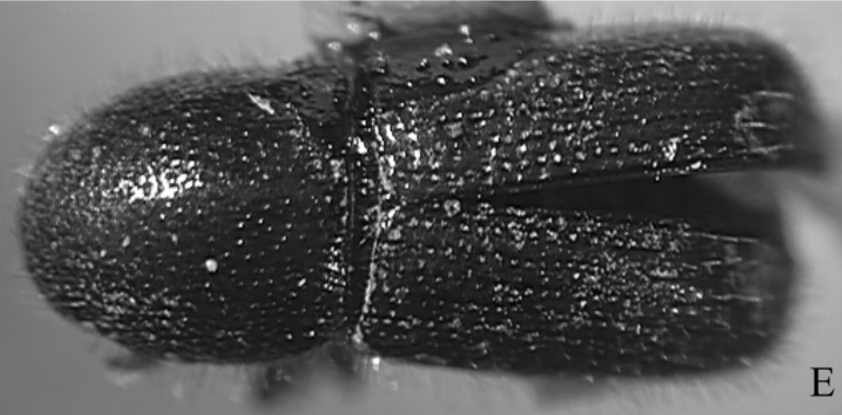
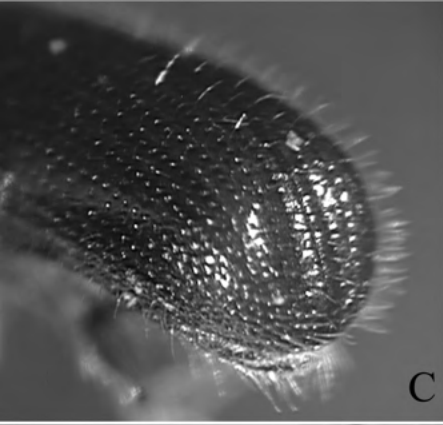
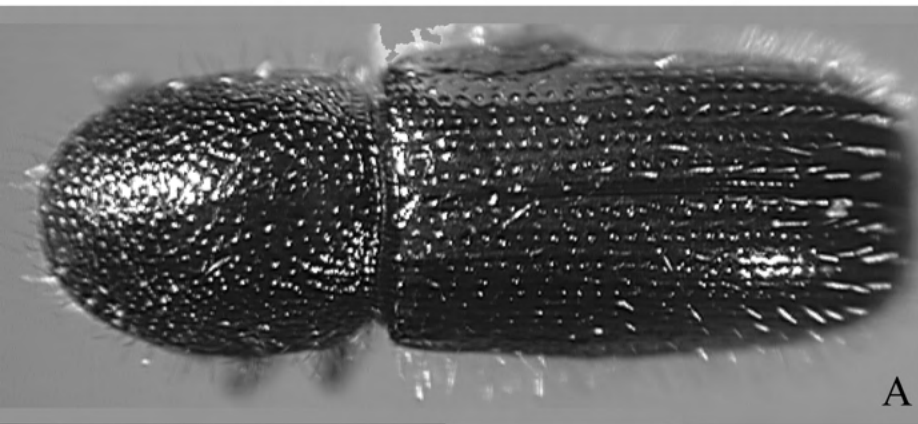
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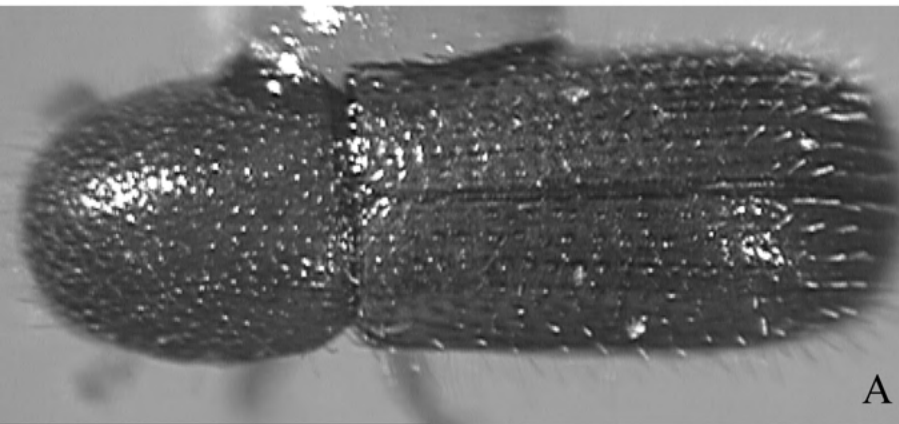


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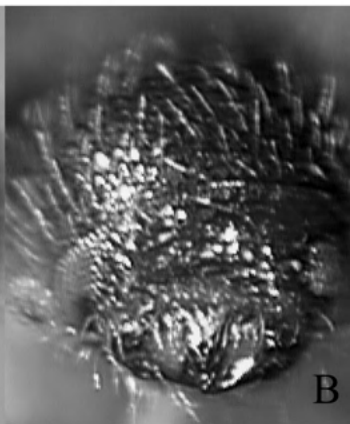




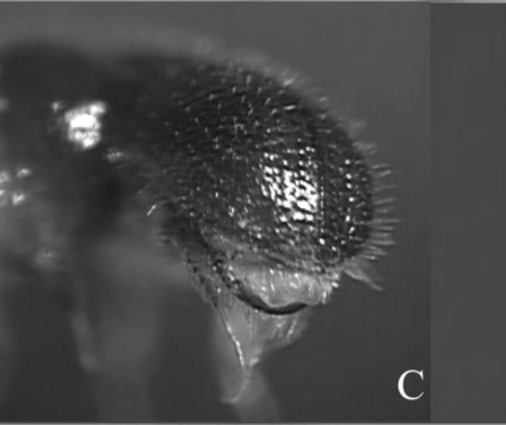




A



B



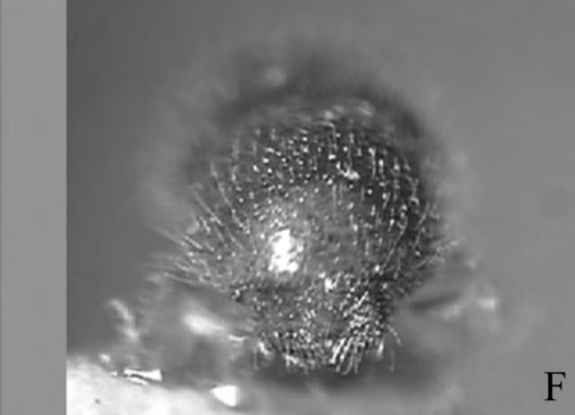
C



D



E



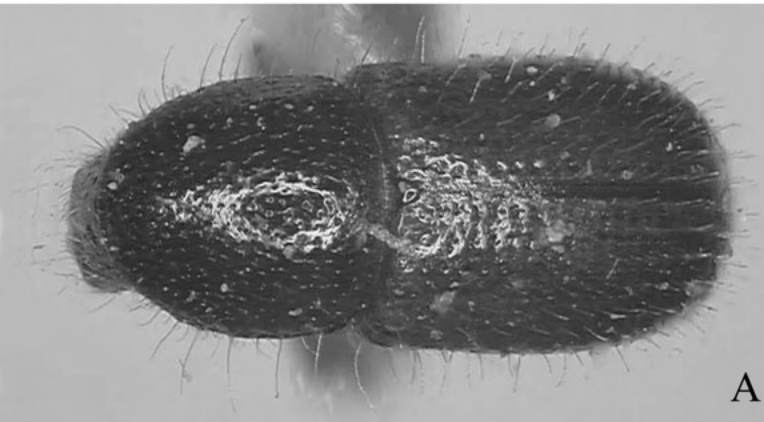
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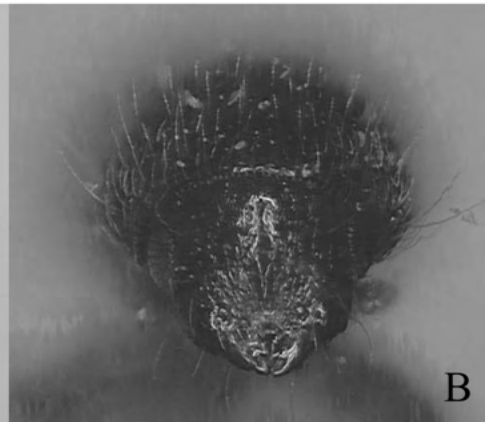
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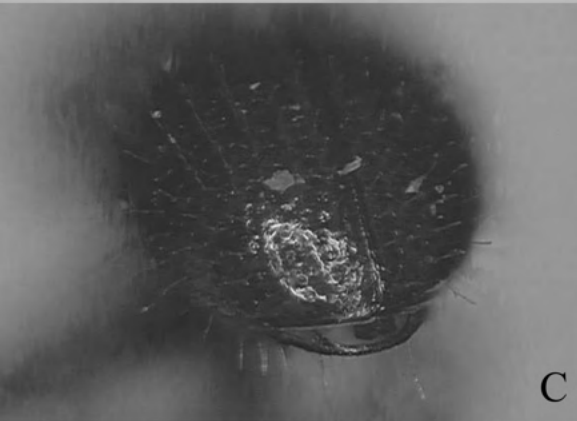
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A



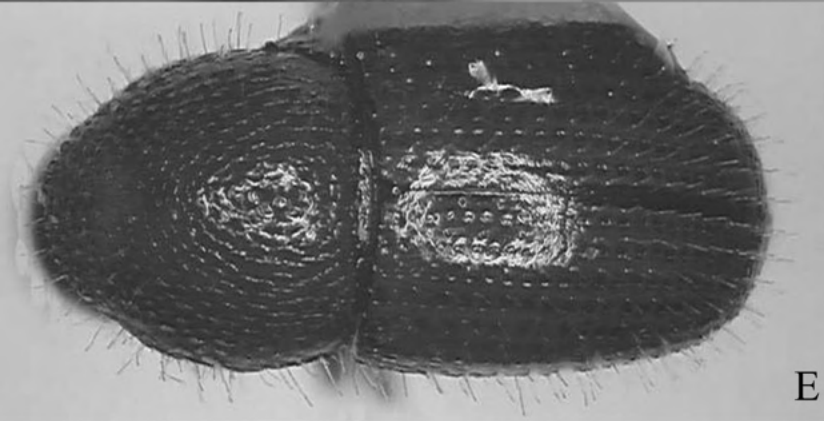
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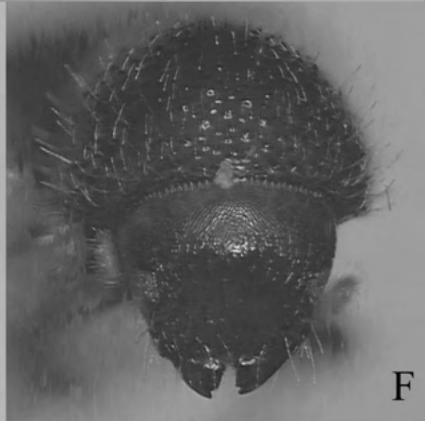
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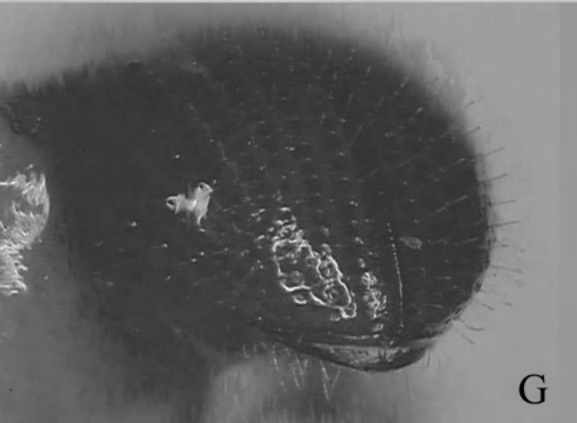
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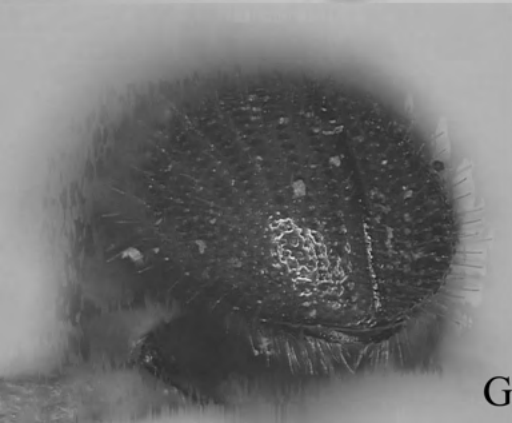
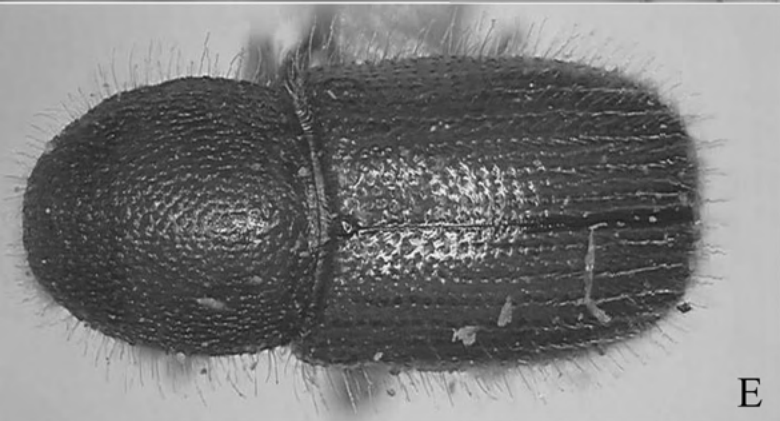
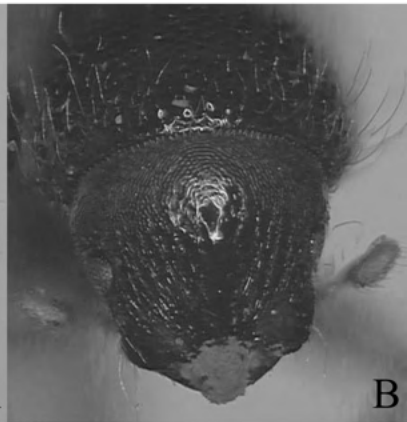
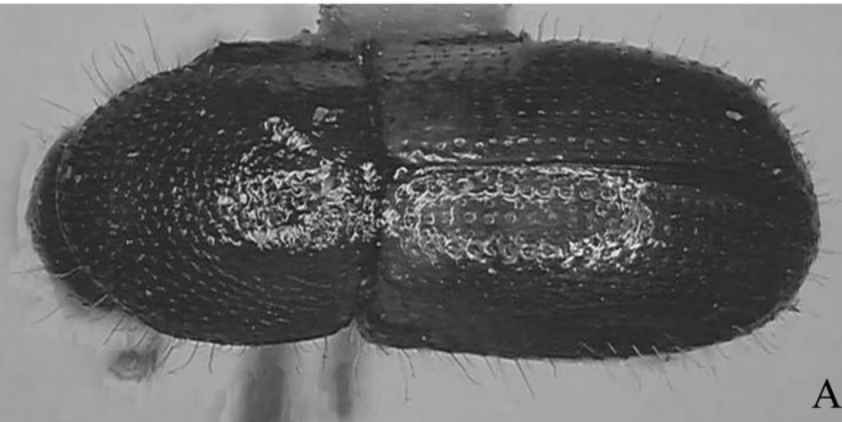
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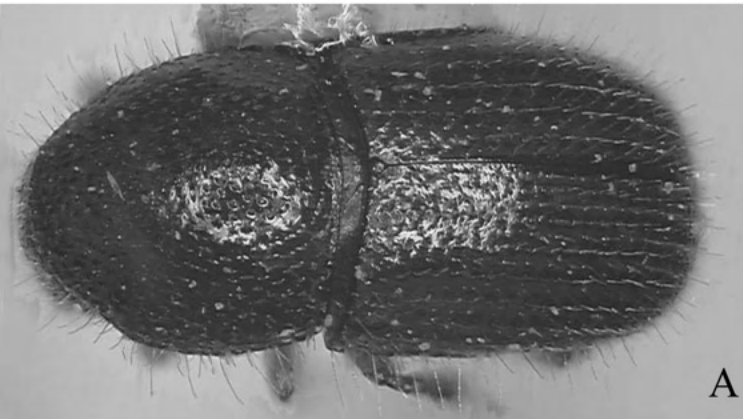


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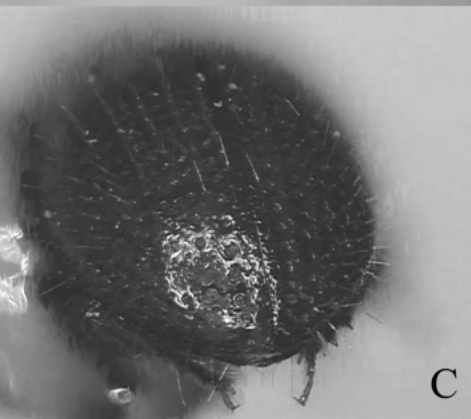




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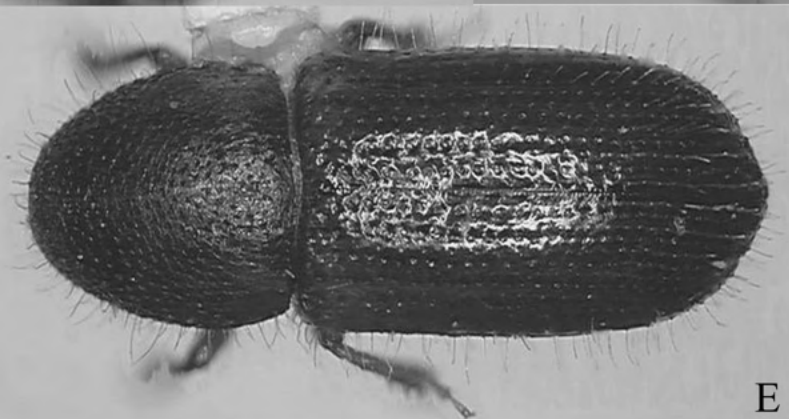
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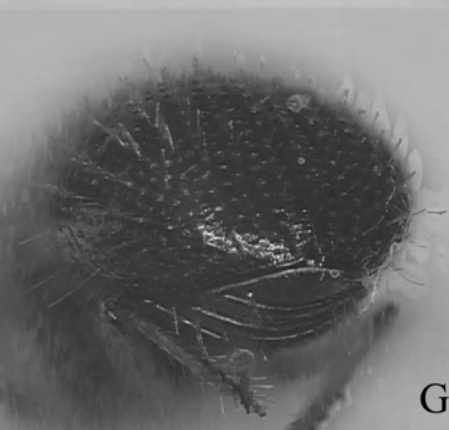
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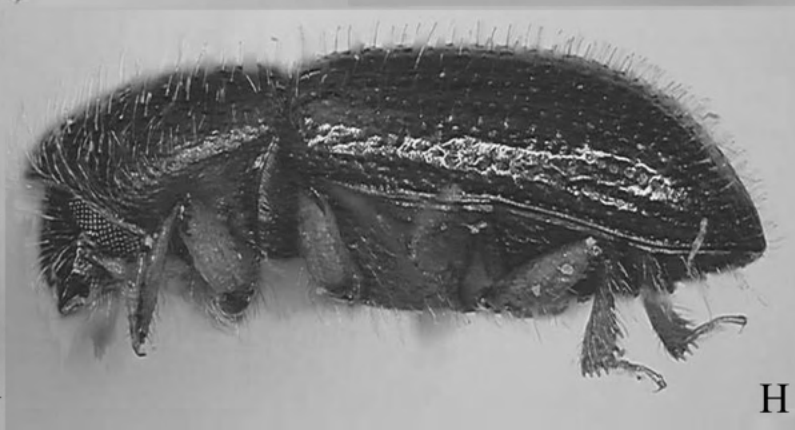
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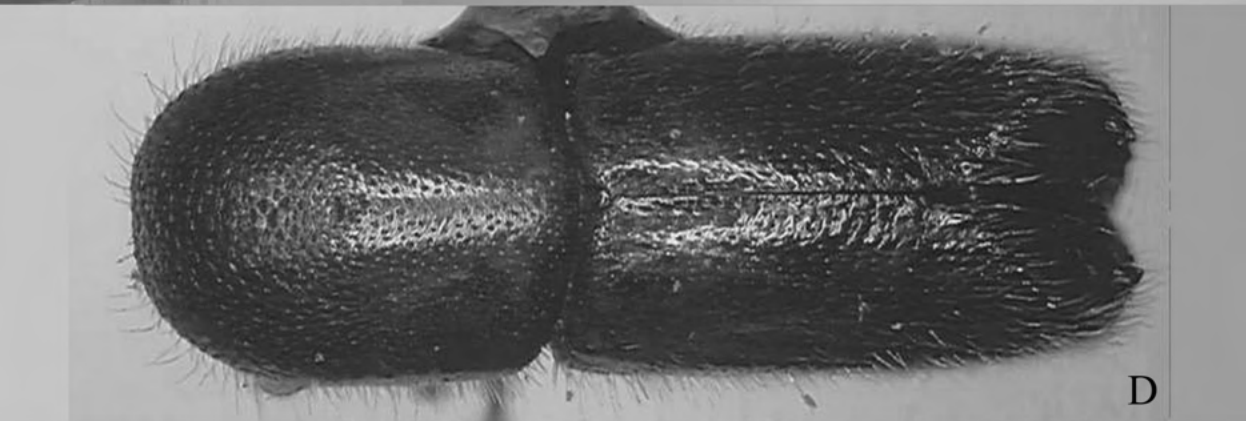
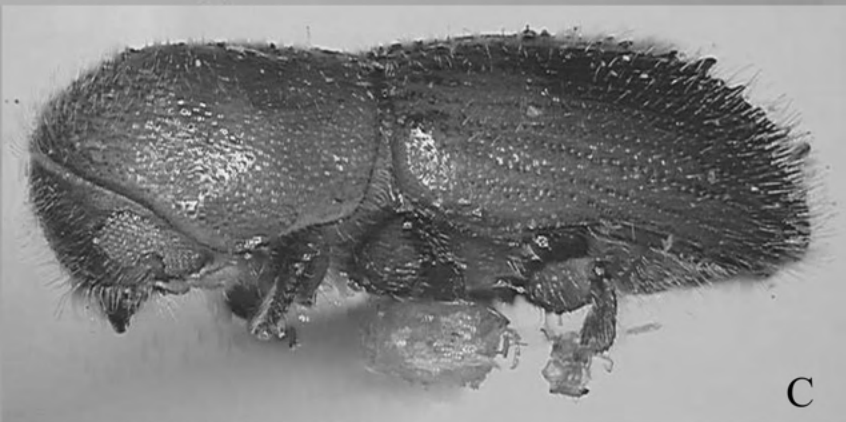
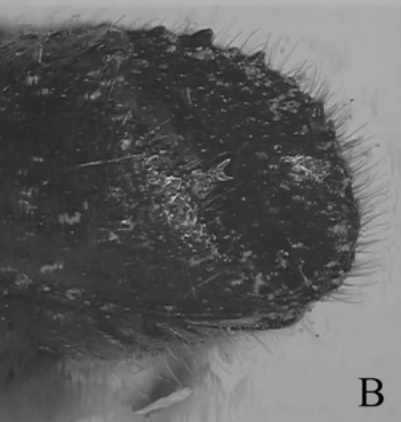
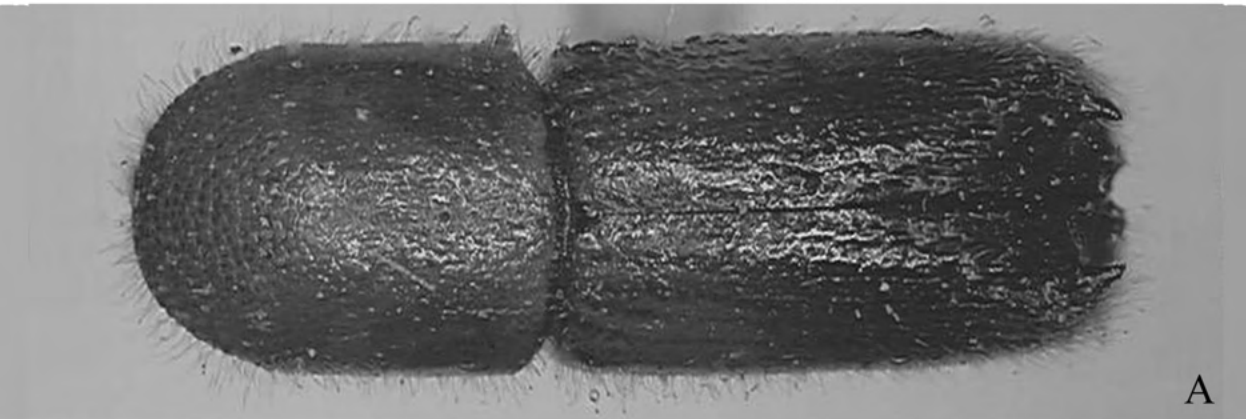
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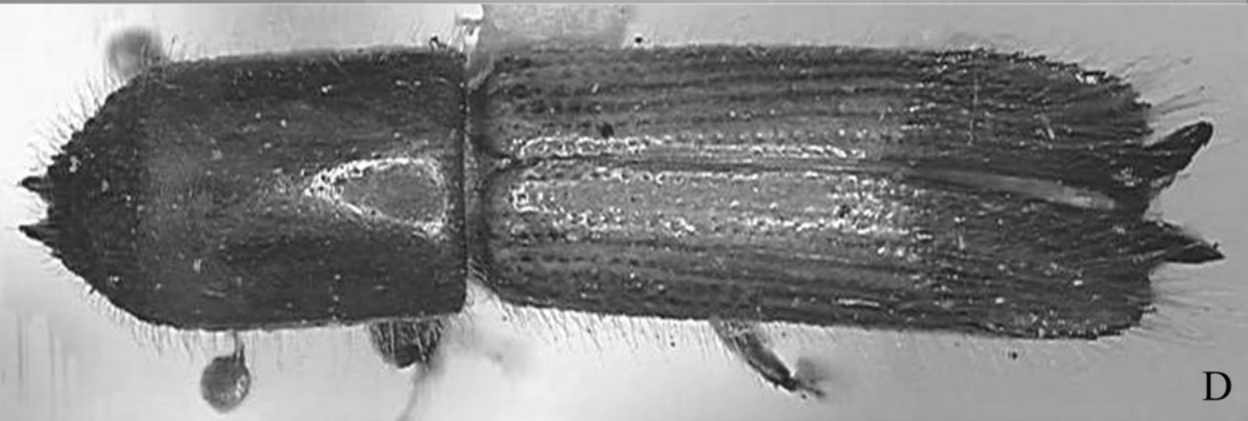
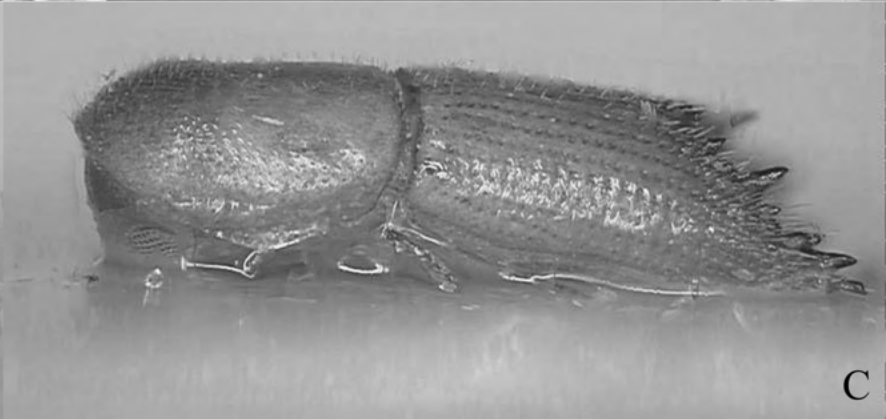
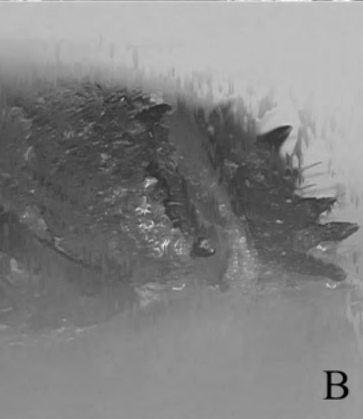
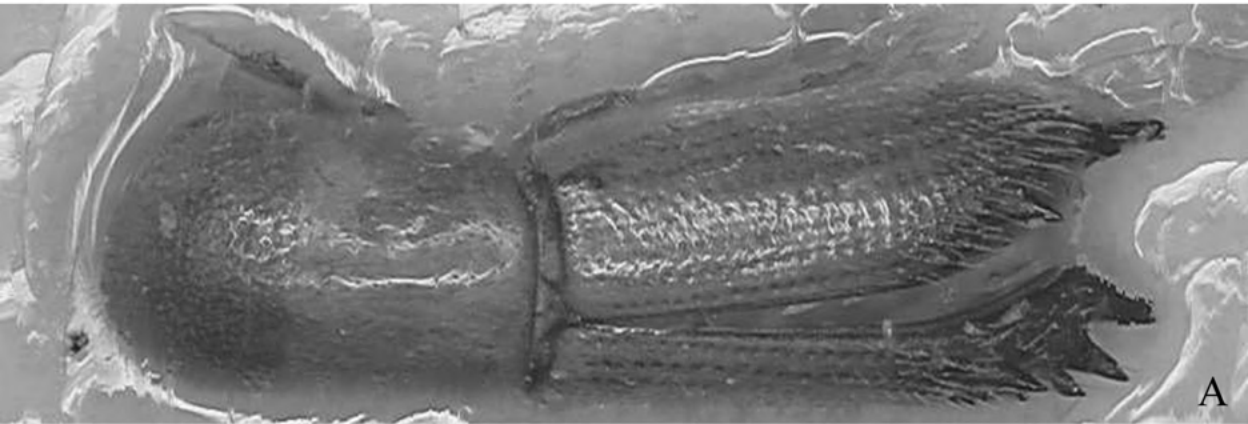


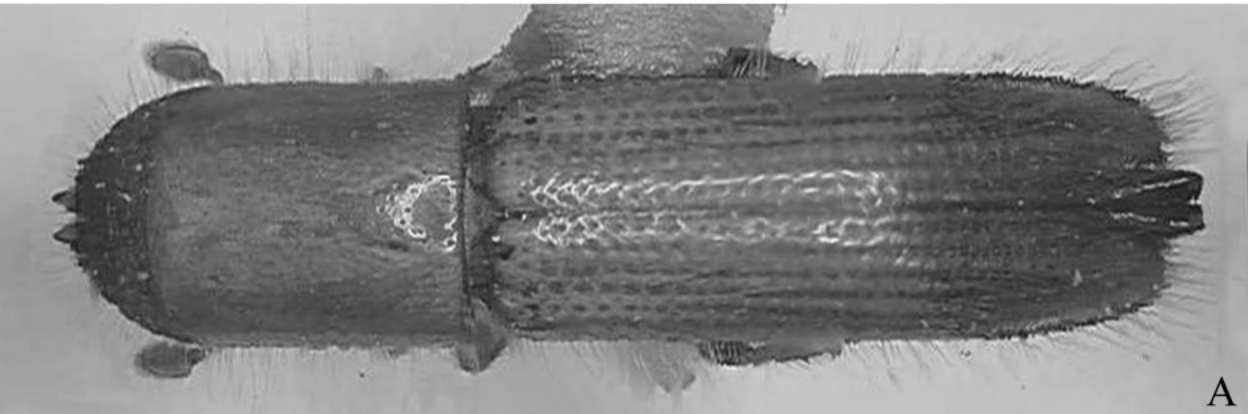
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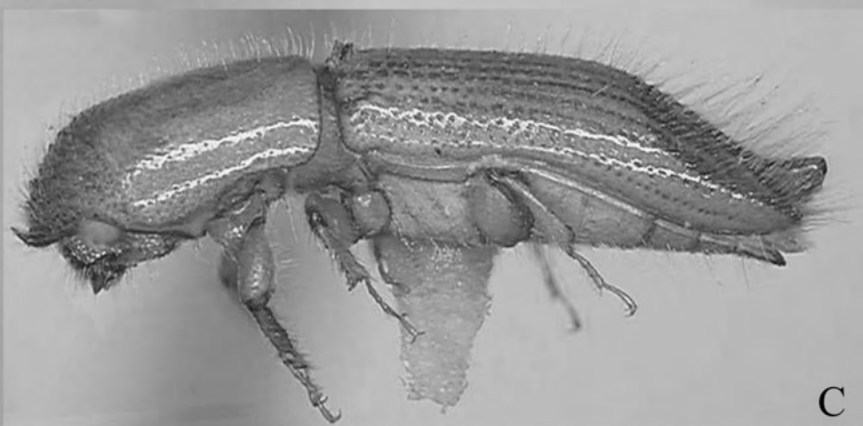




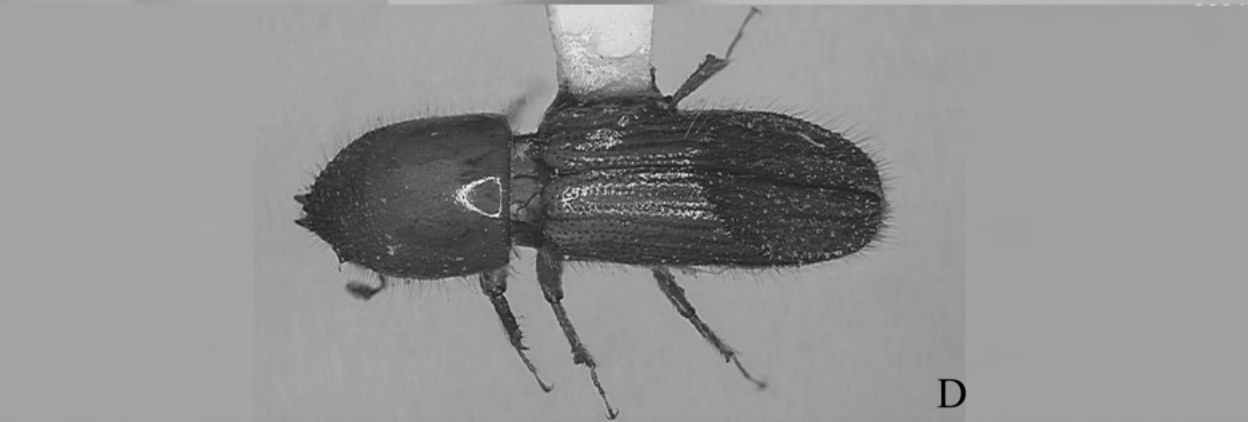
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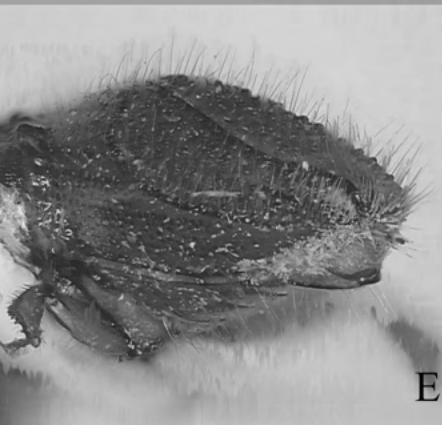
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C



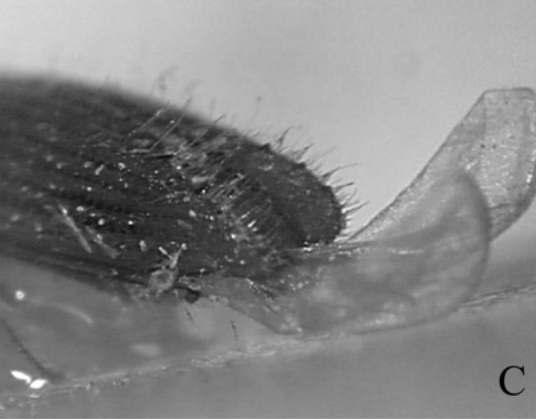
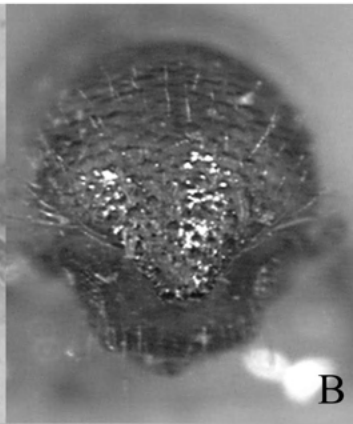
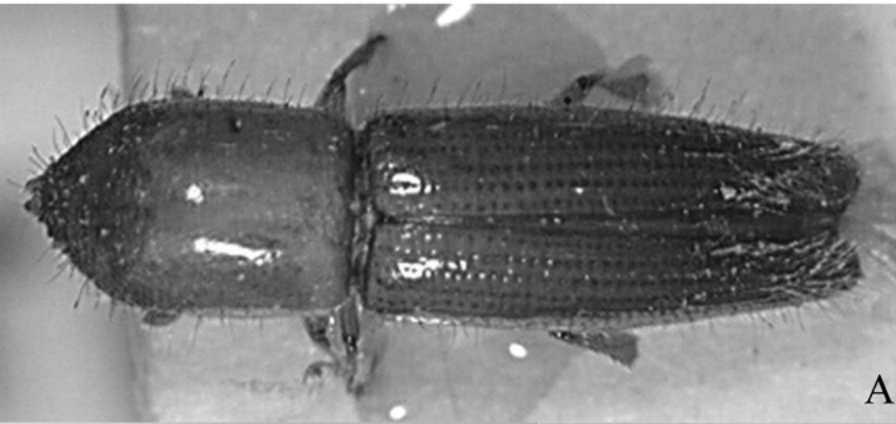
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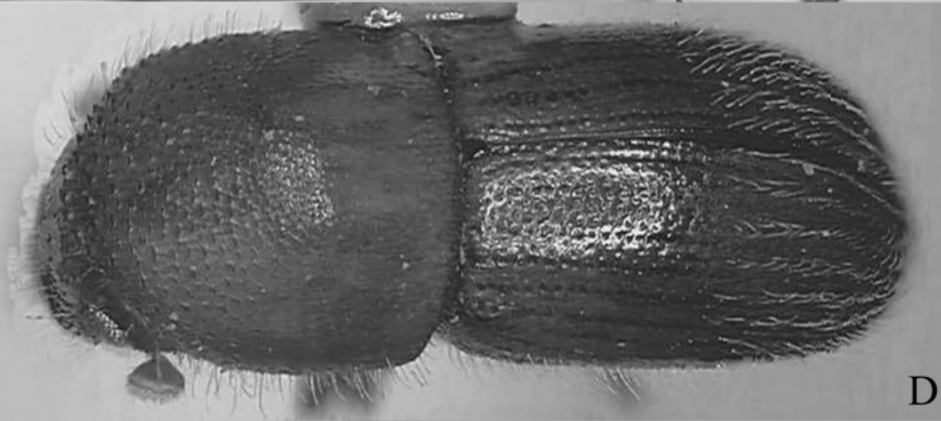
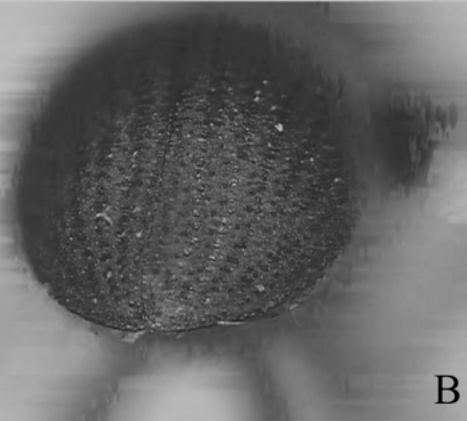
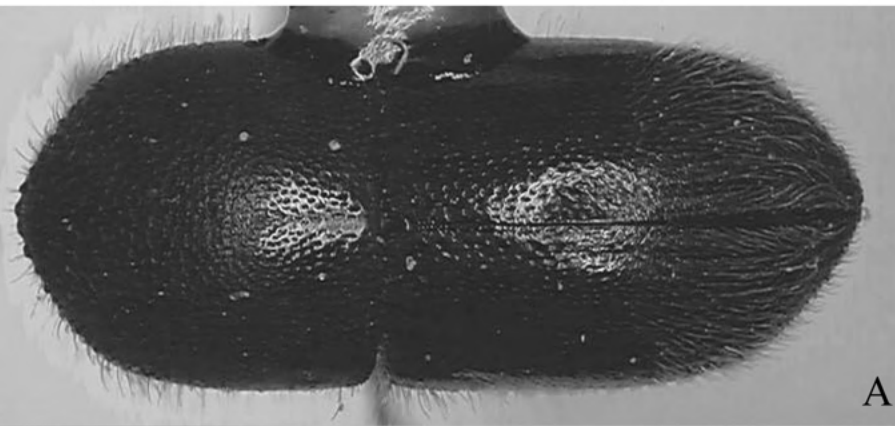


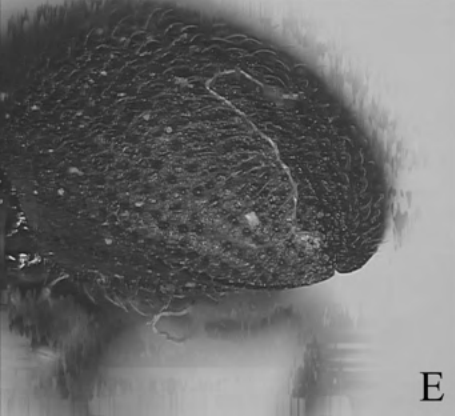
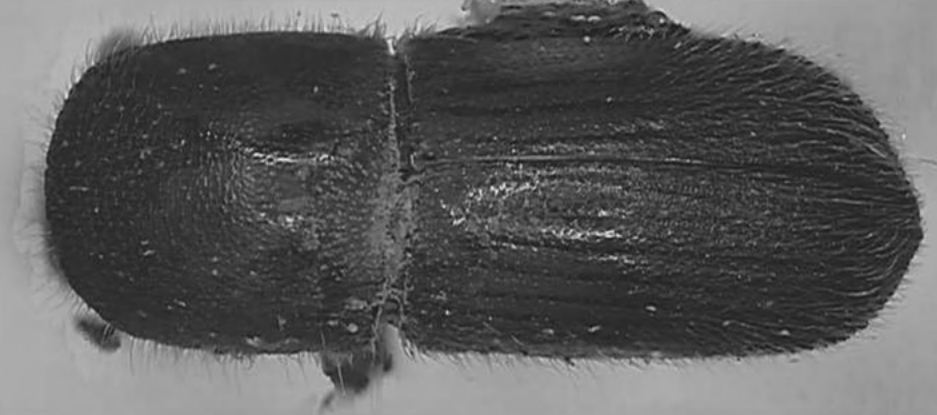
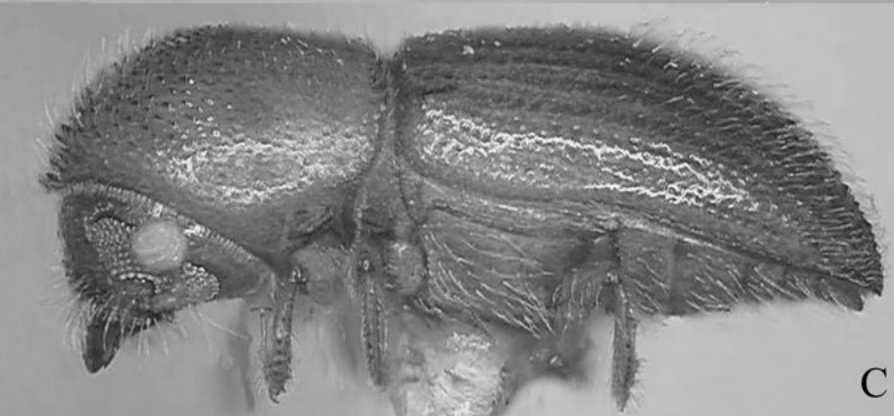
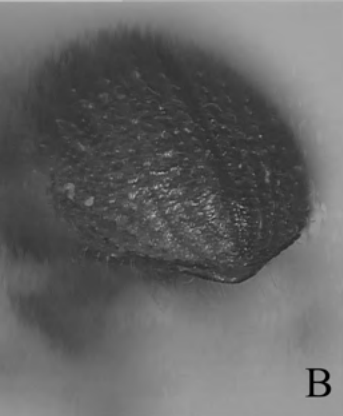
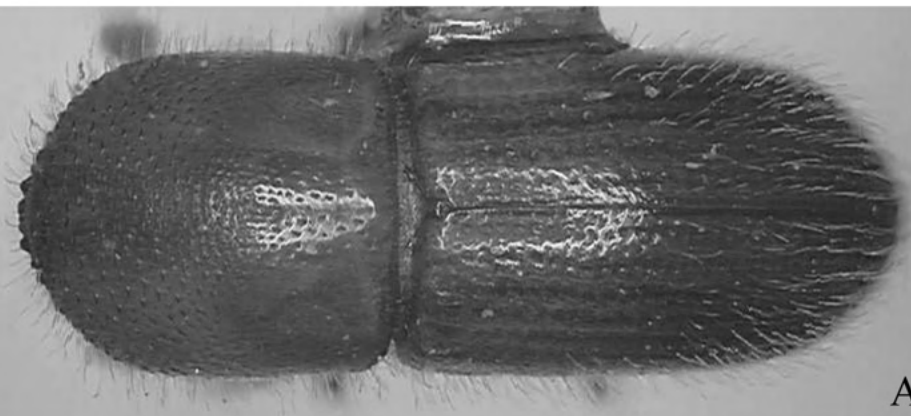
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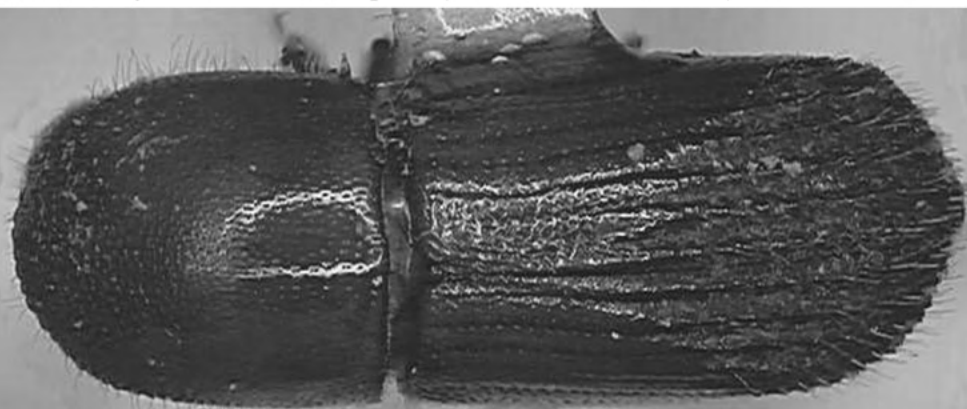


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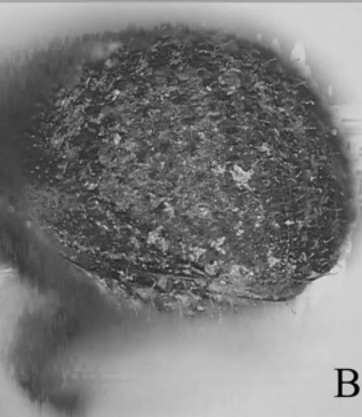








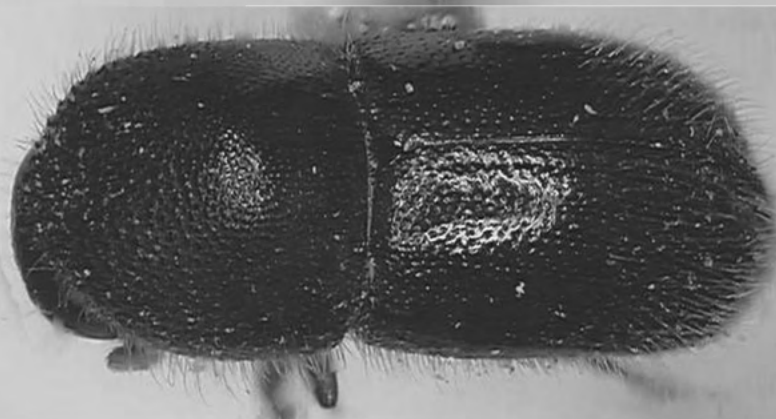
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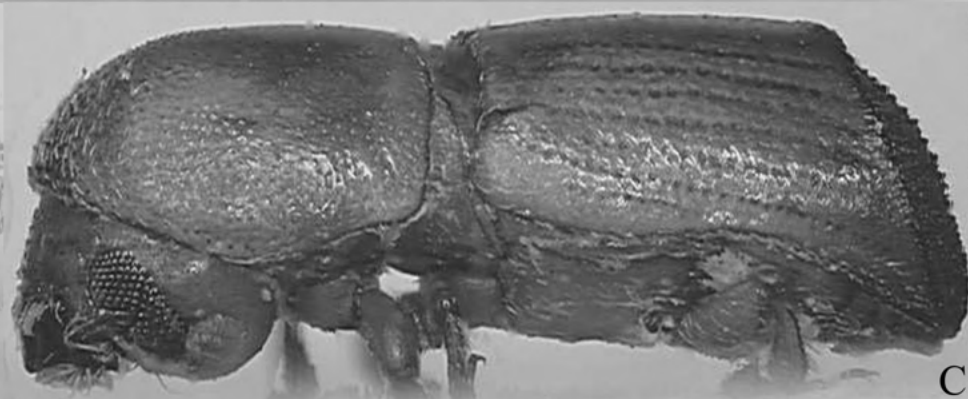
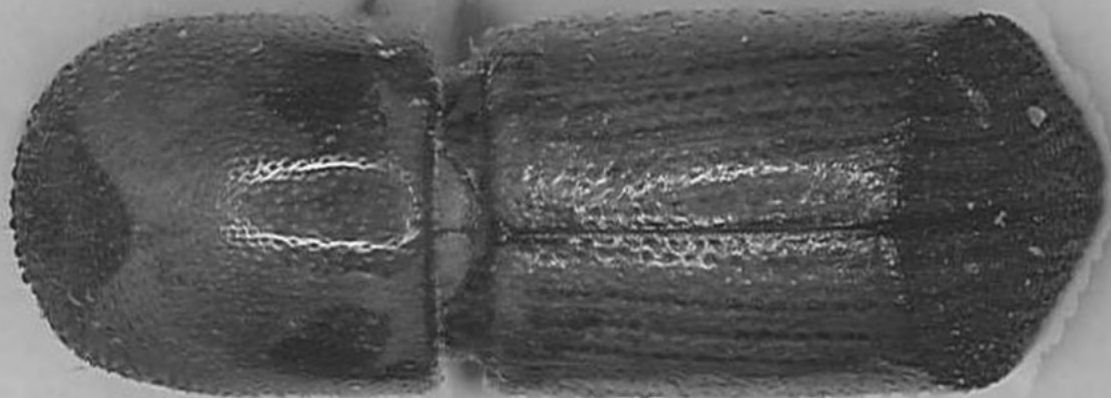
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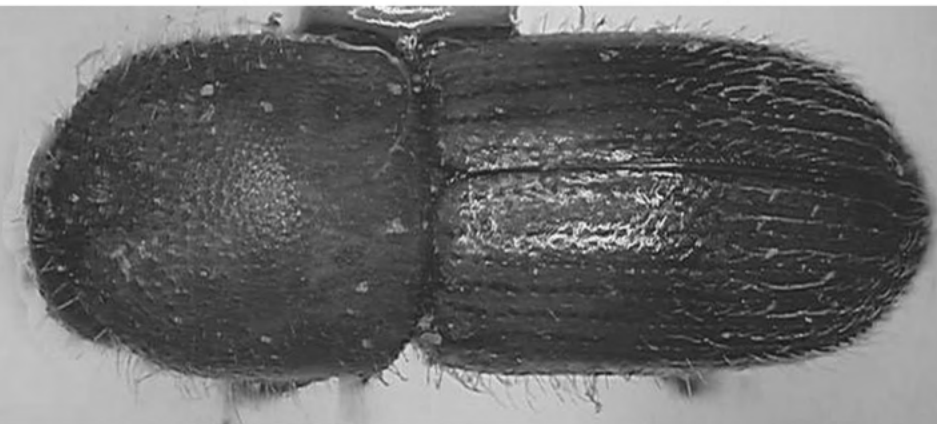


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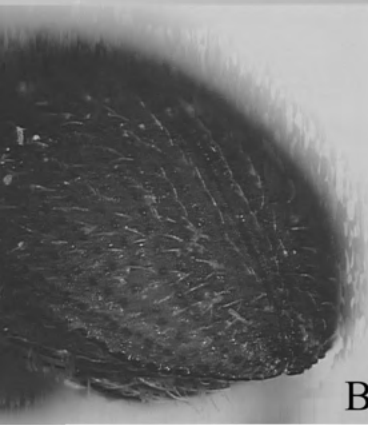


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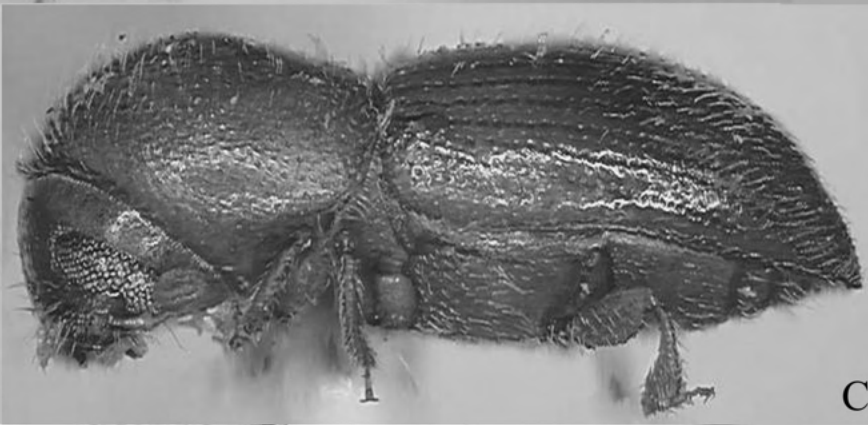




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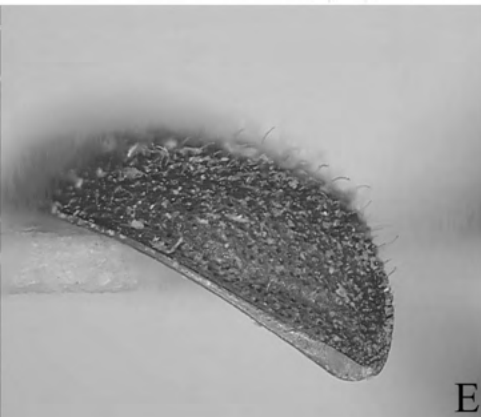
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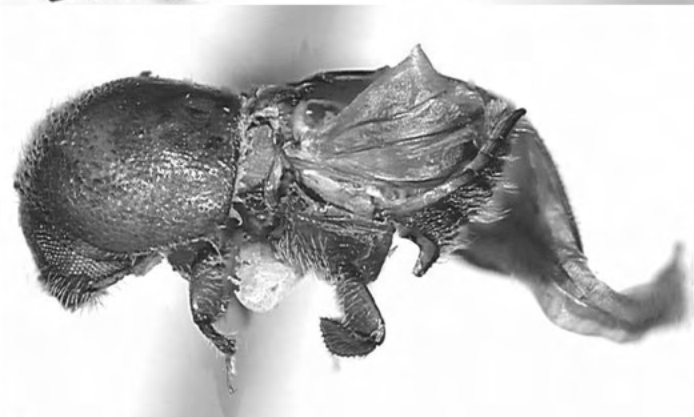
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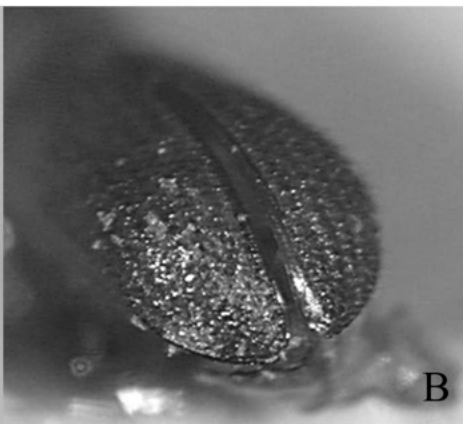
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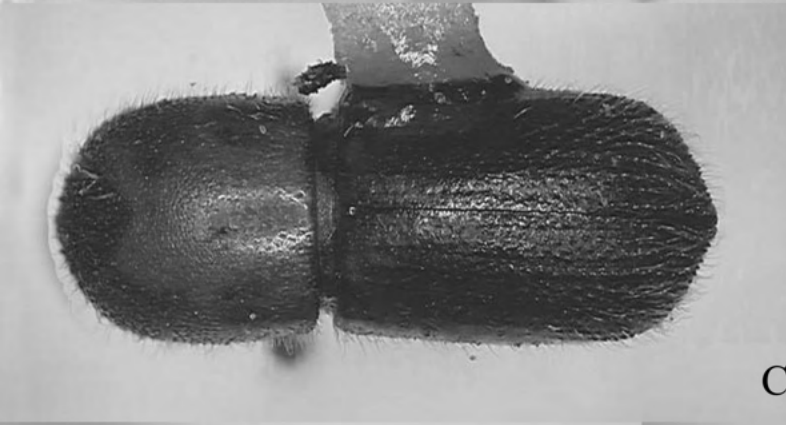
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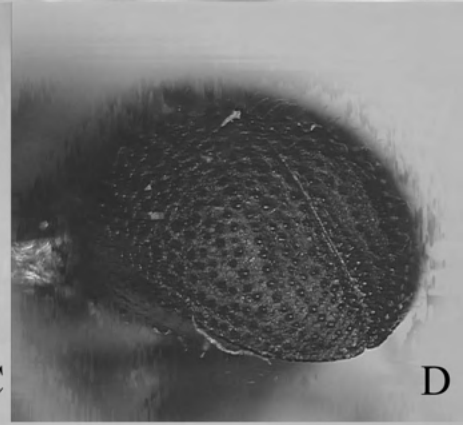
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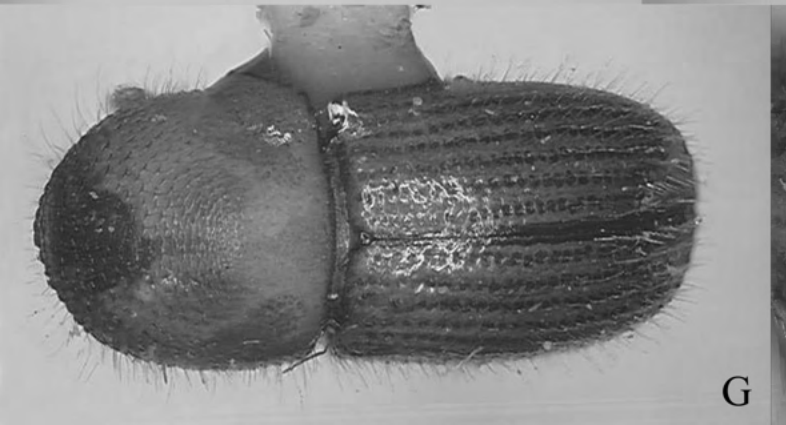
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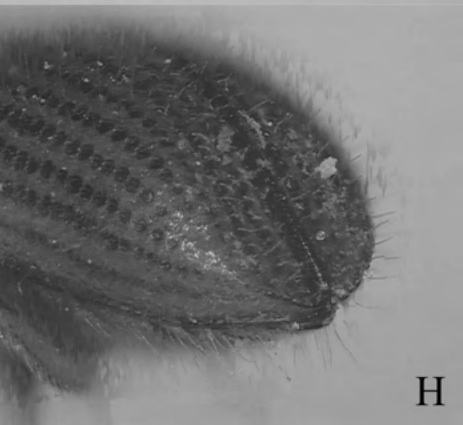
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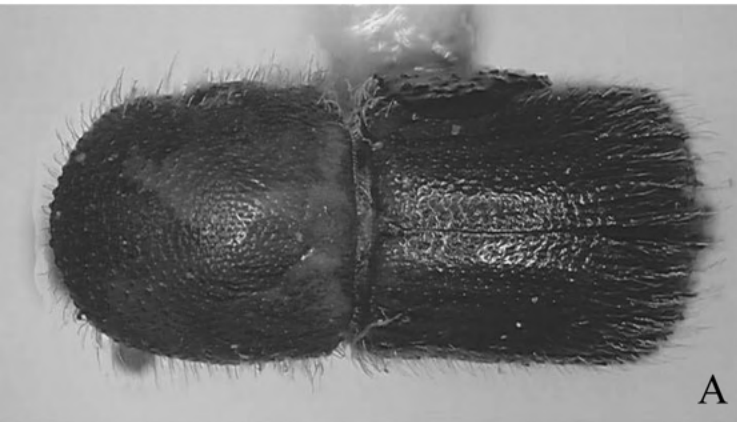
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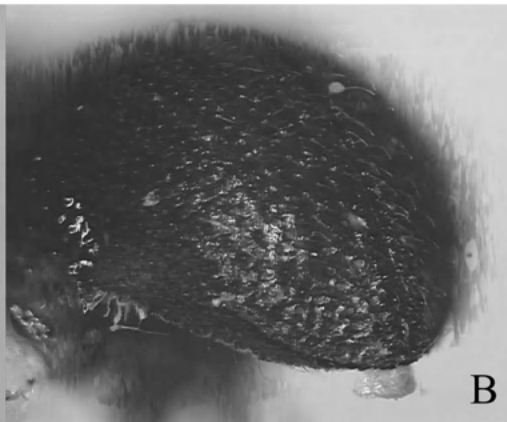
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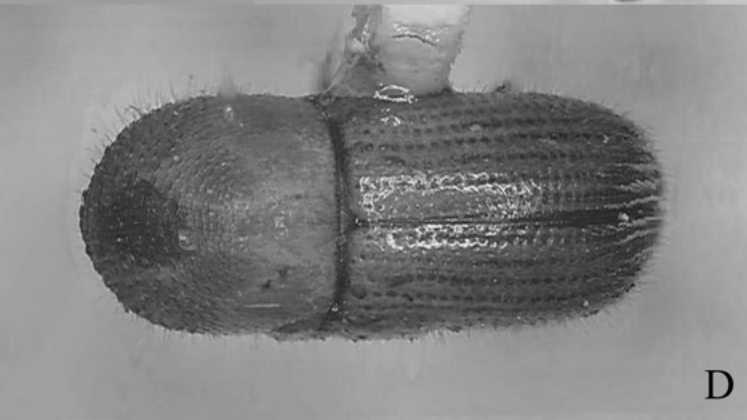
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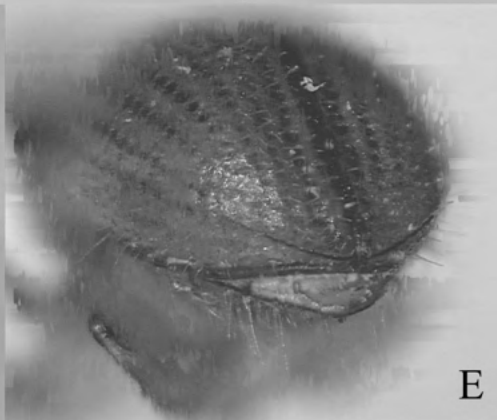
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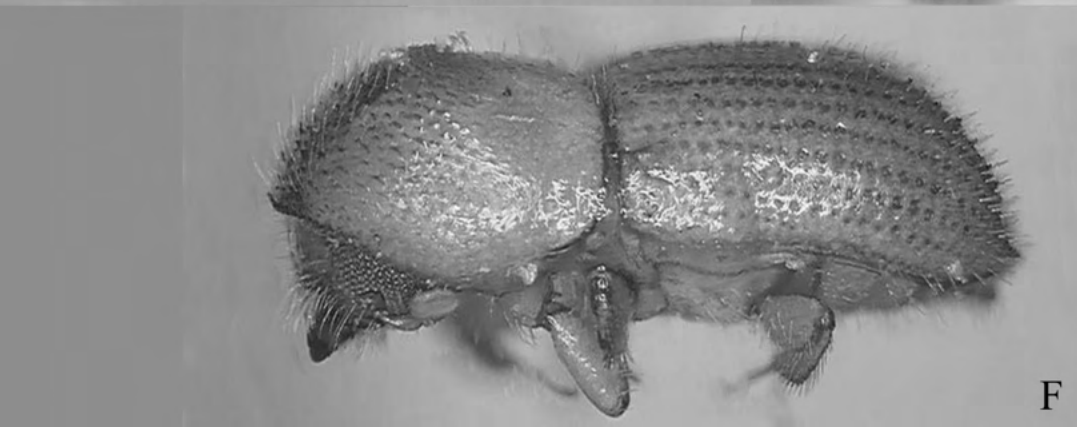
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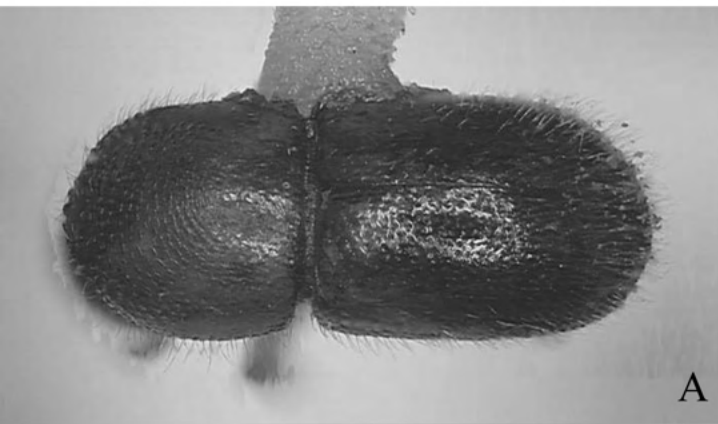
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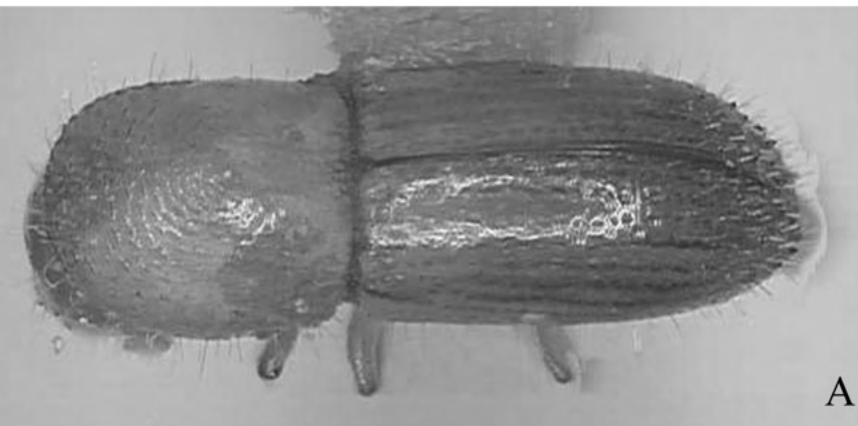
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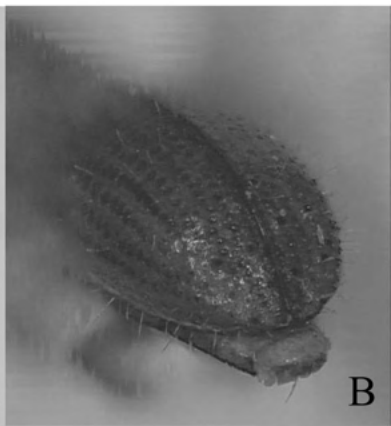
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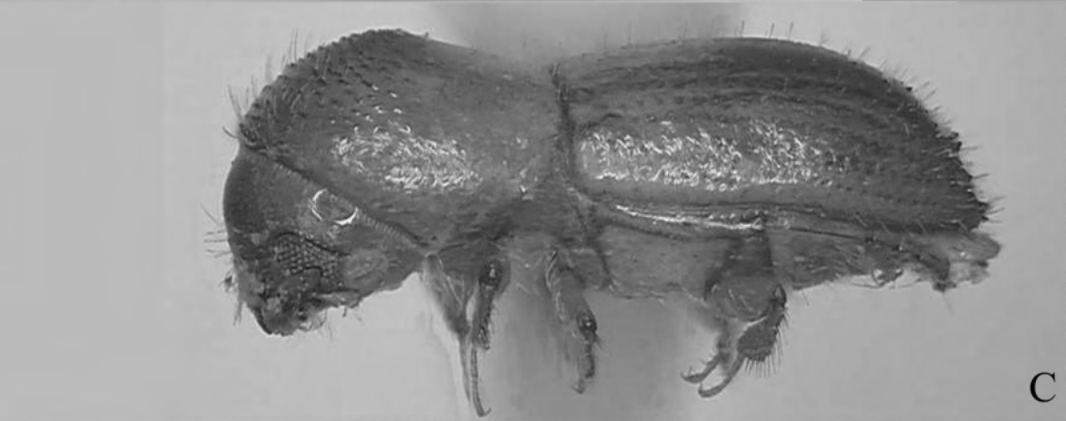
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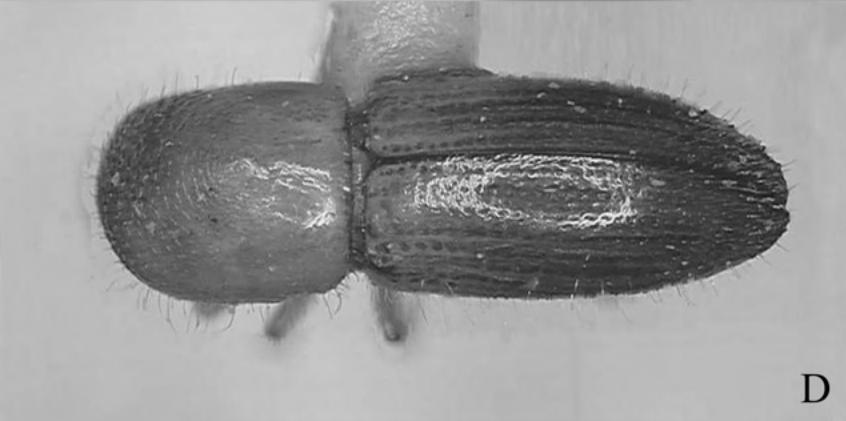
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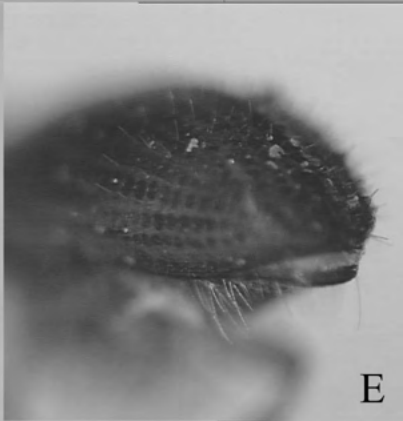
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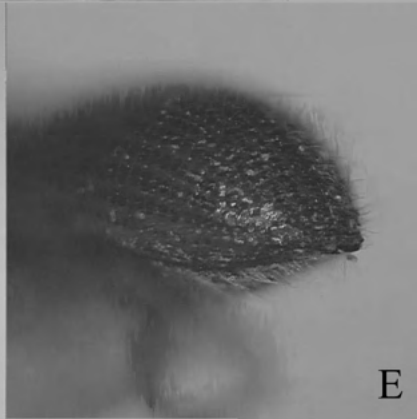
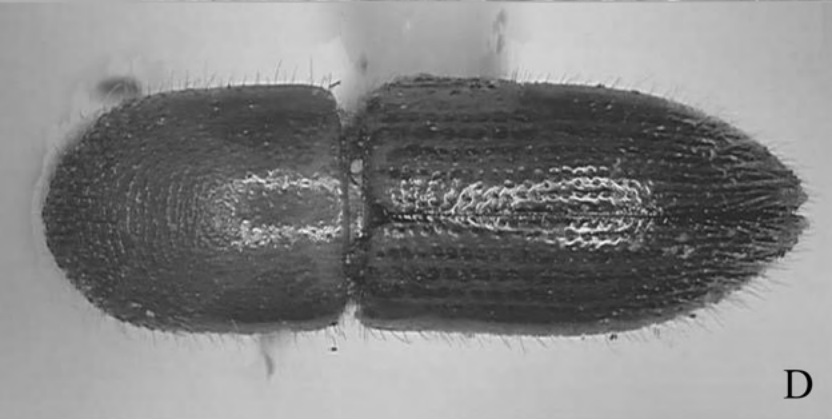
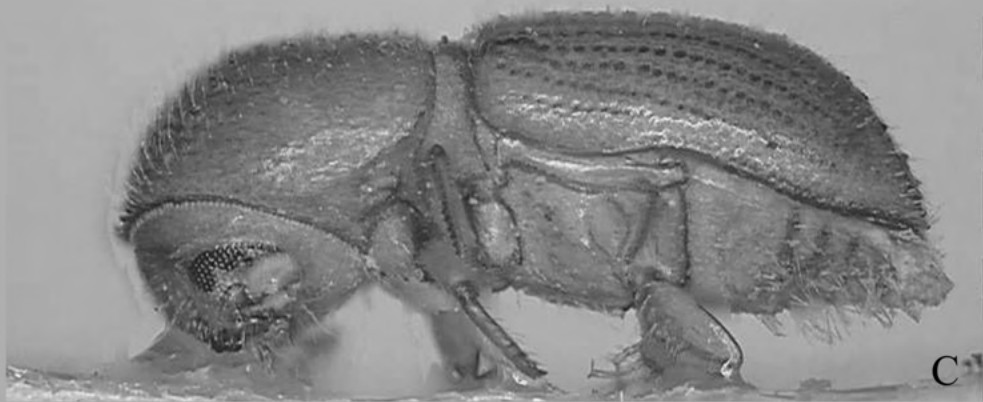
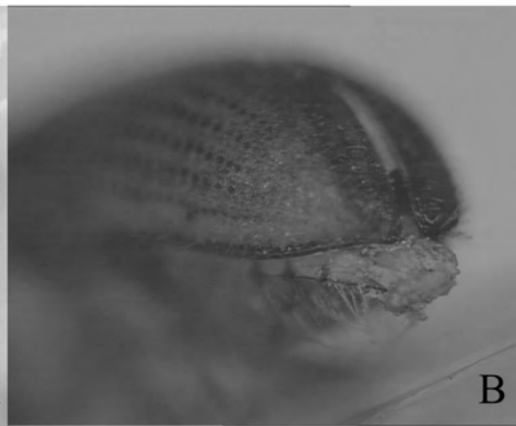
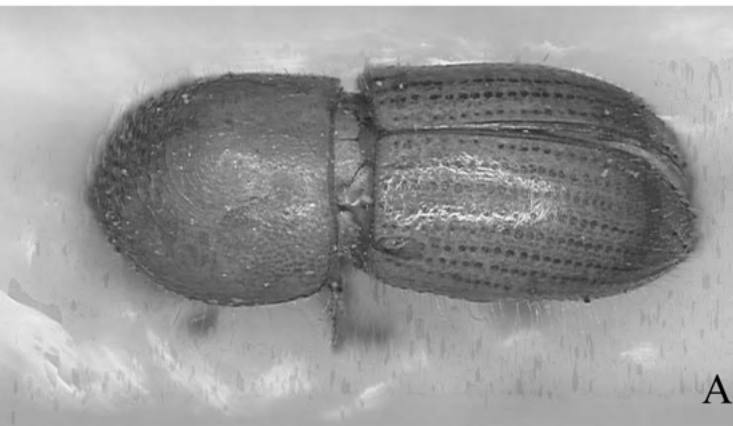
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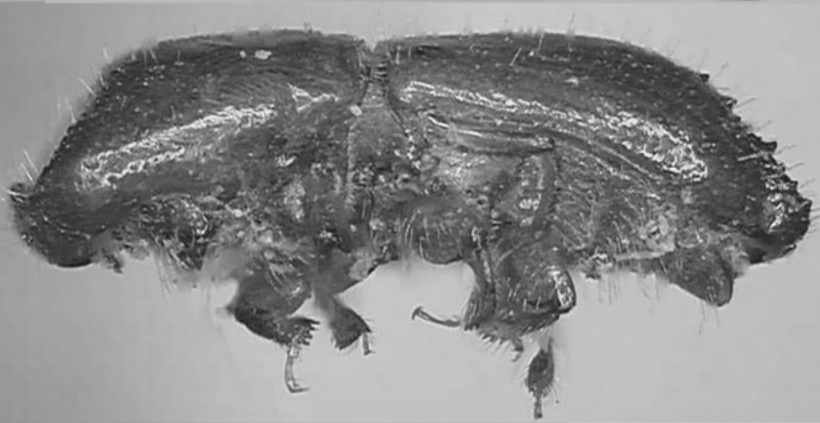




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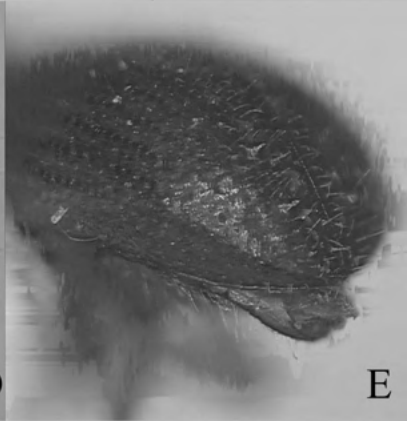
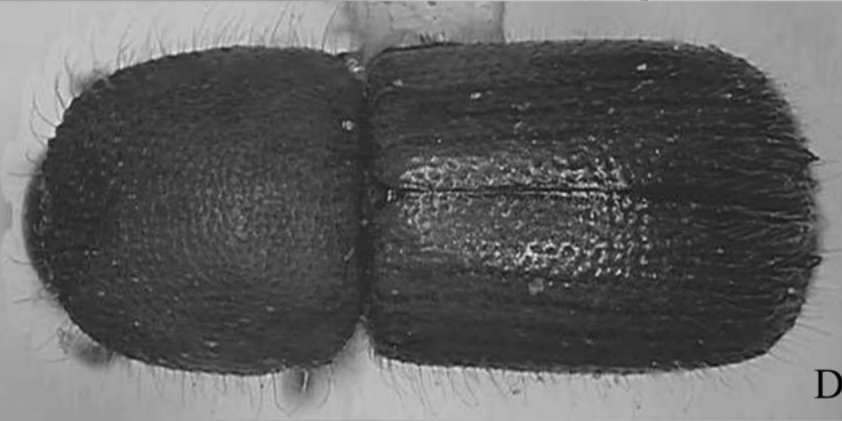
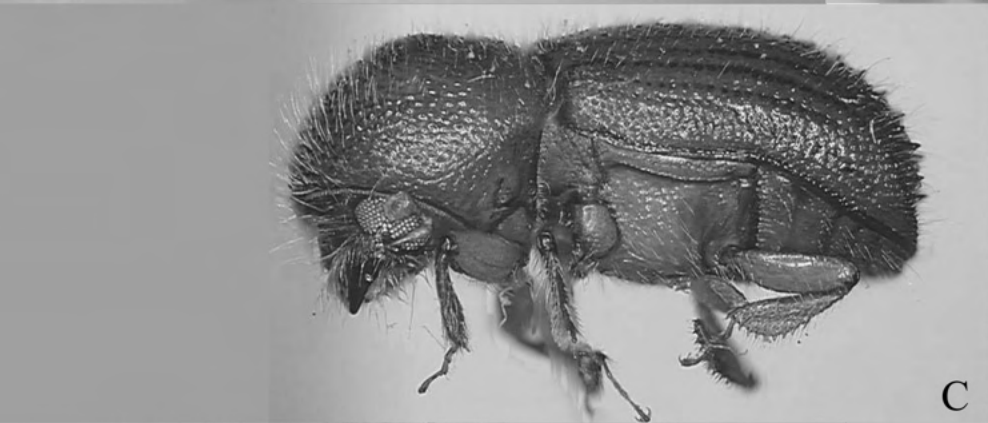
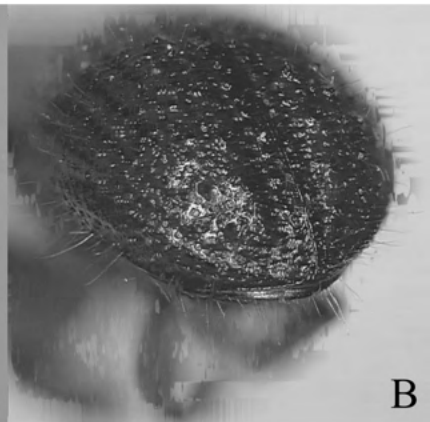
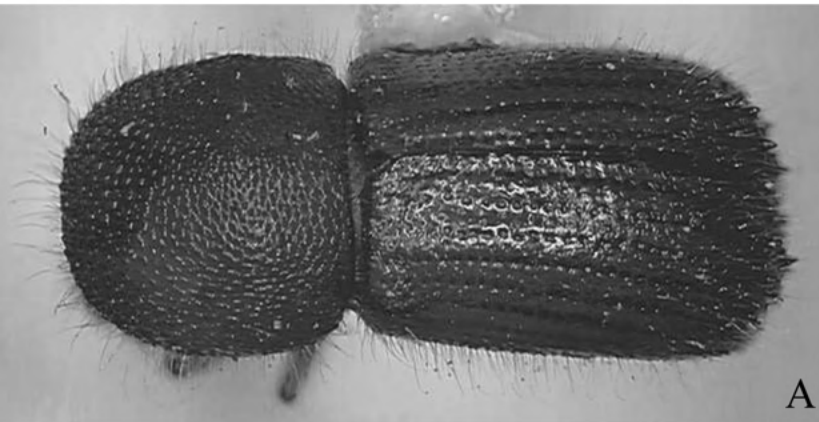
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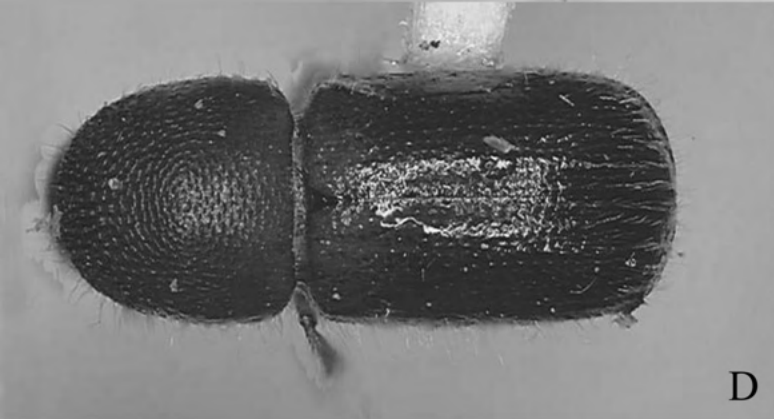
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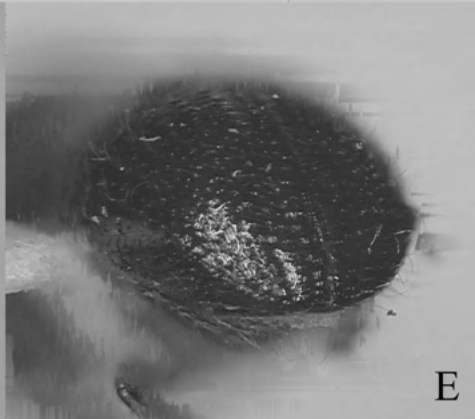
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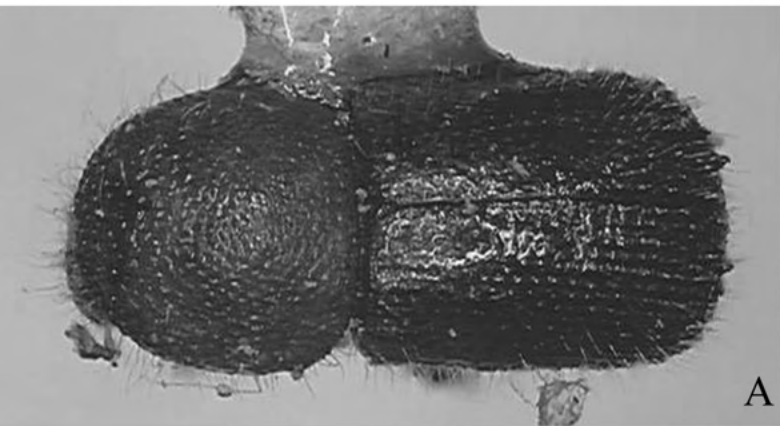
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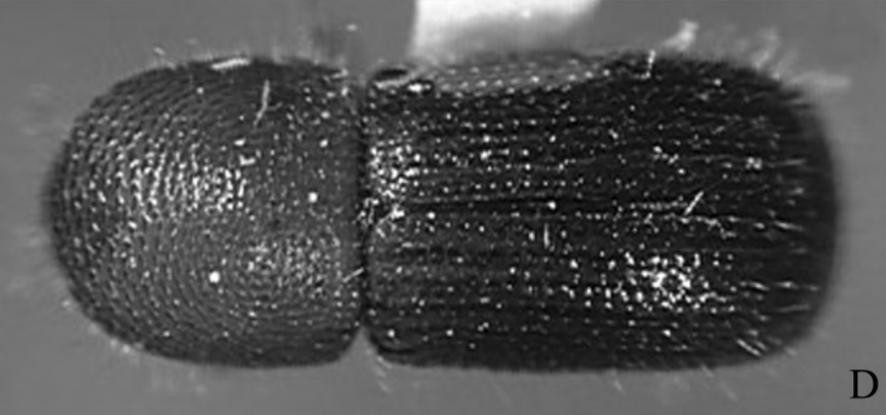
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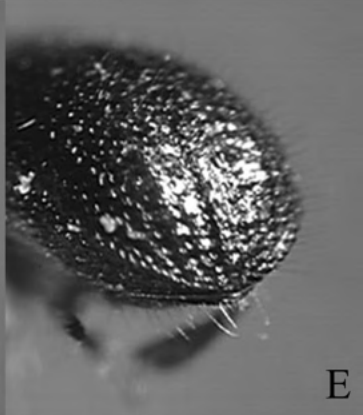
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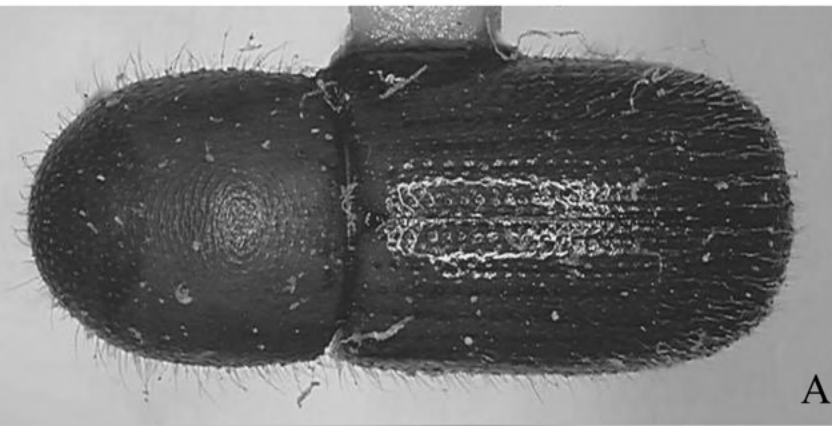
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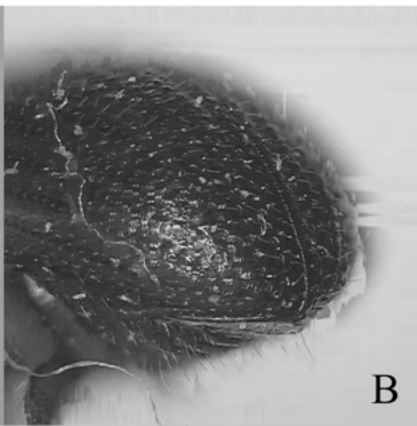
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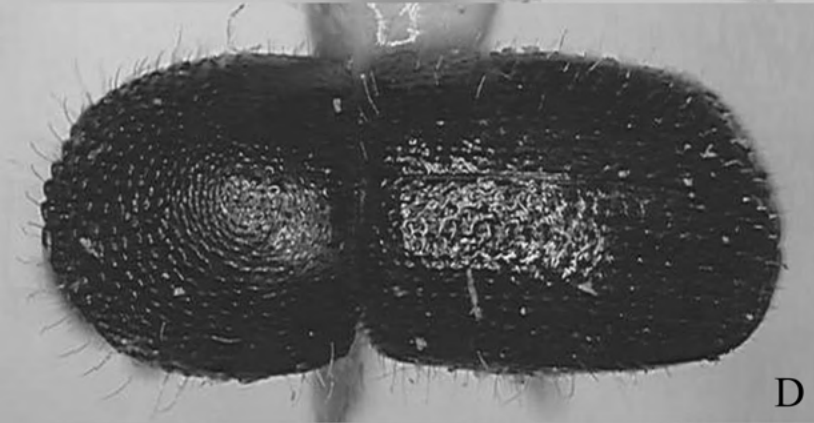
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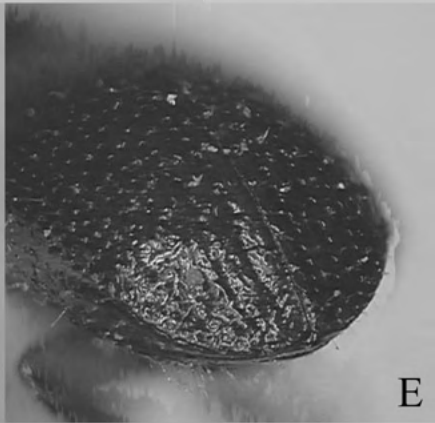
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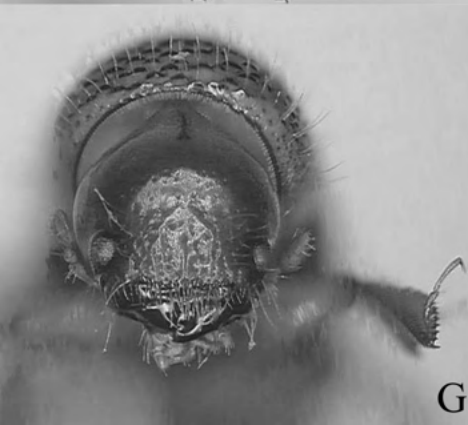
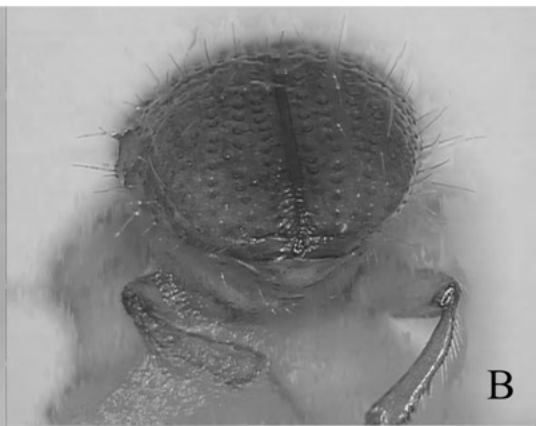
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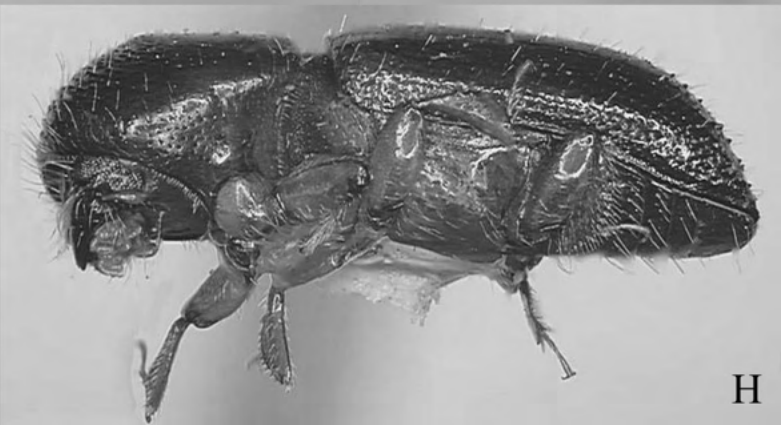
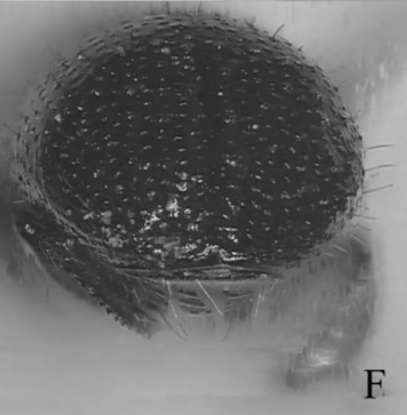
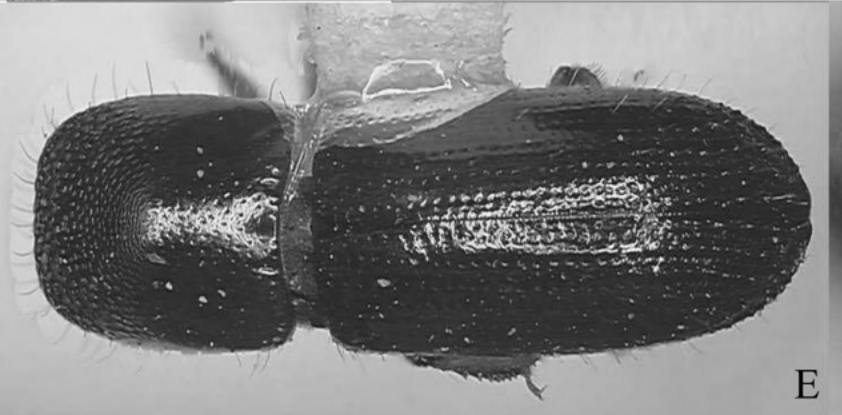
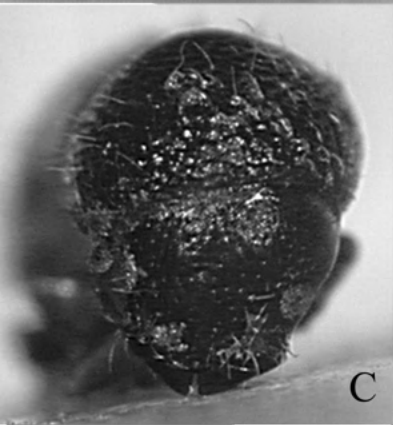
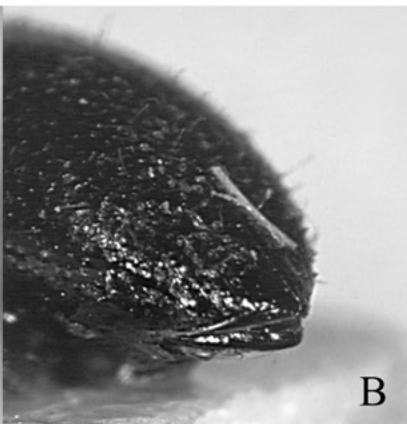
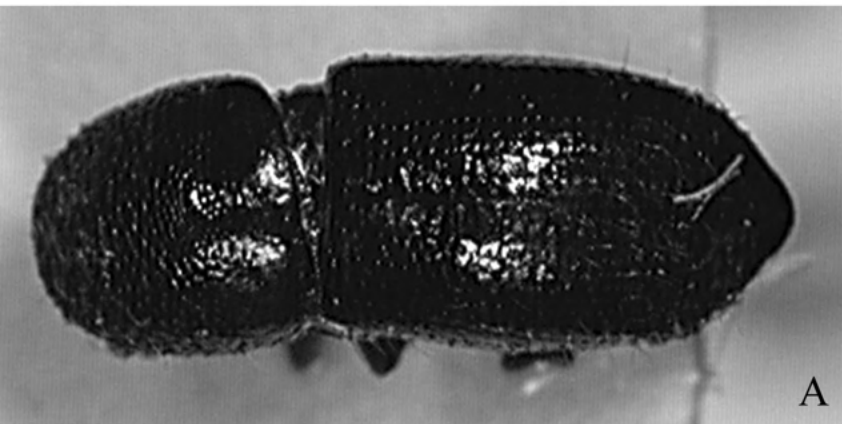


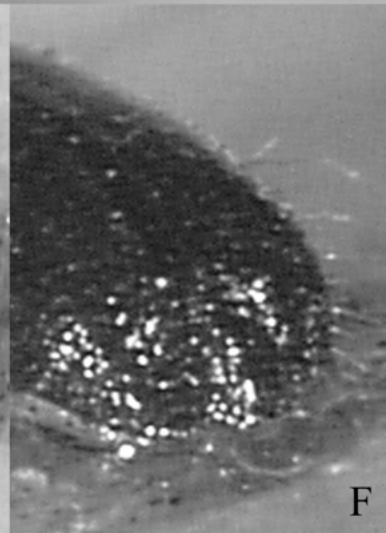
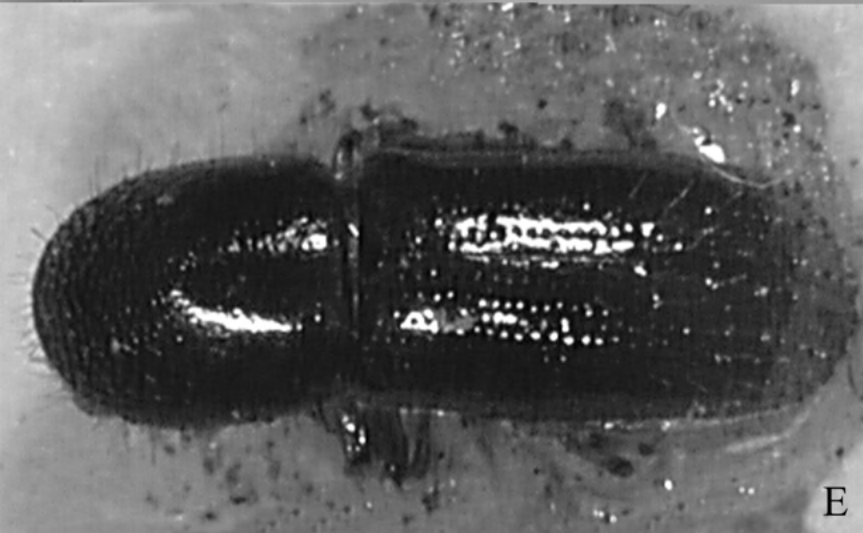
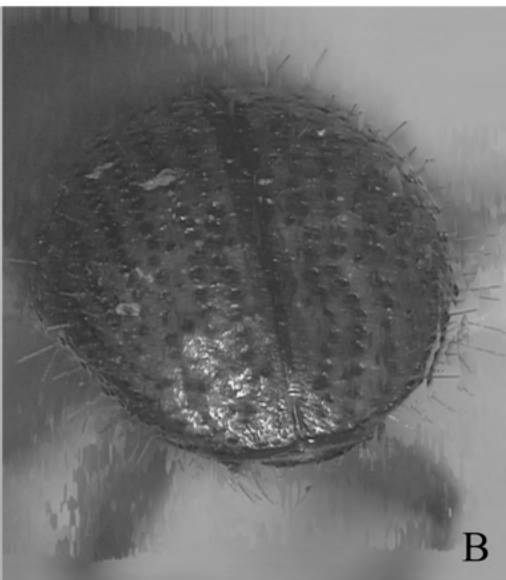
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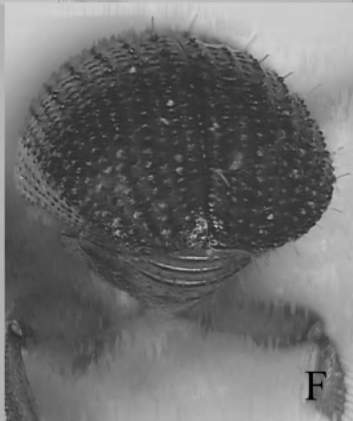
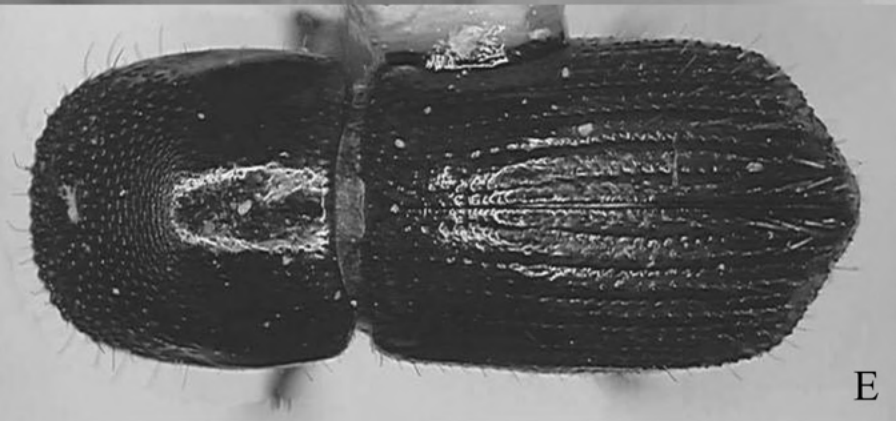
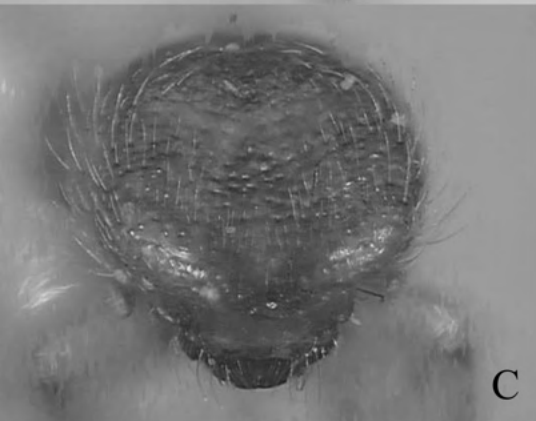
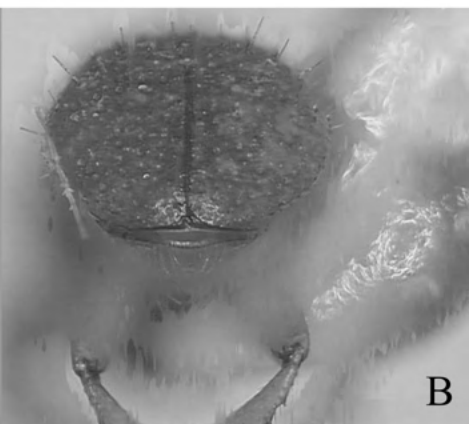


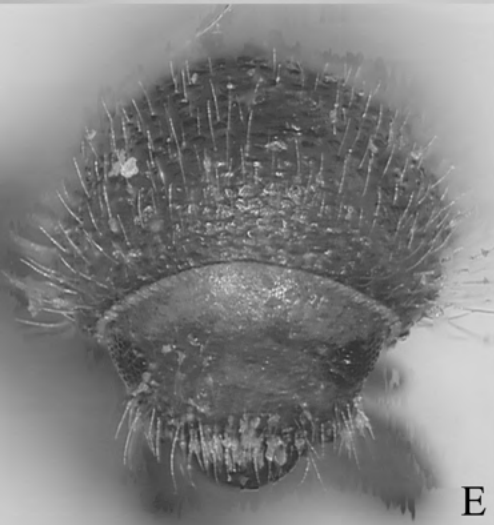
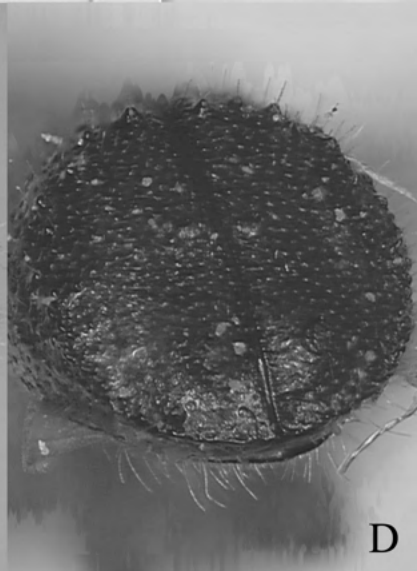
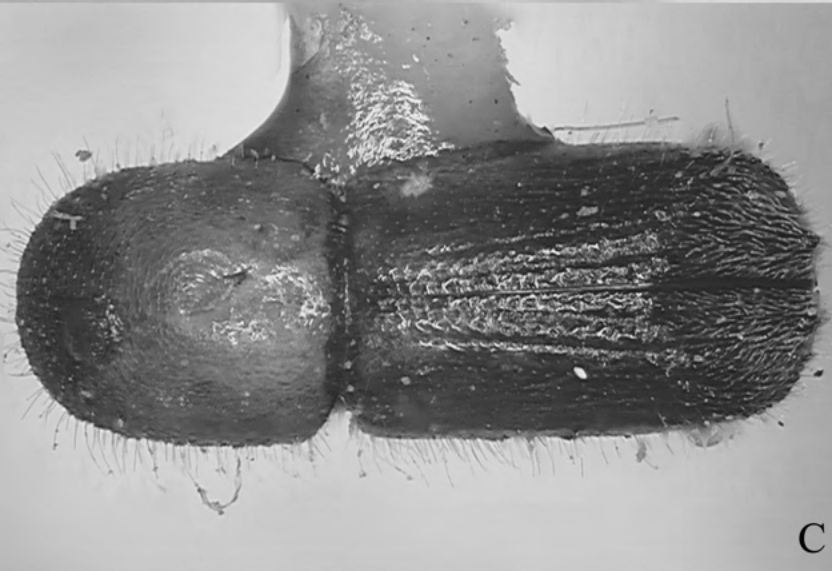
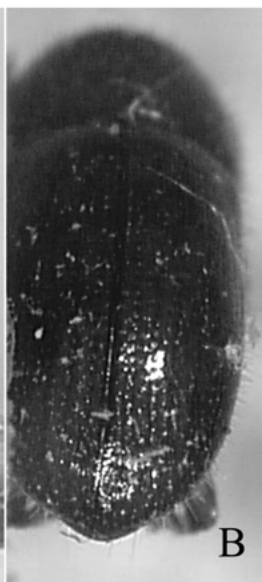
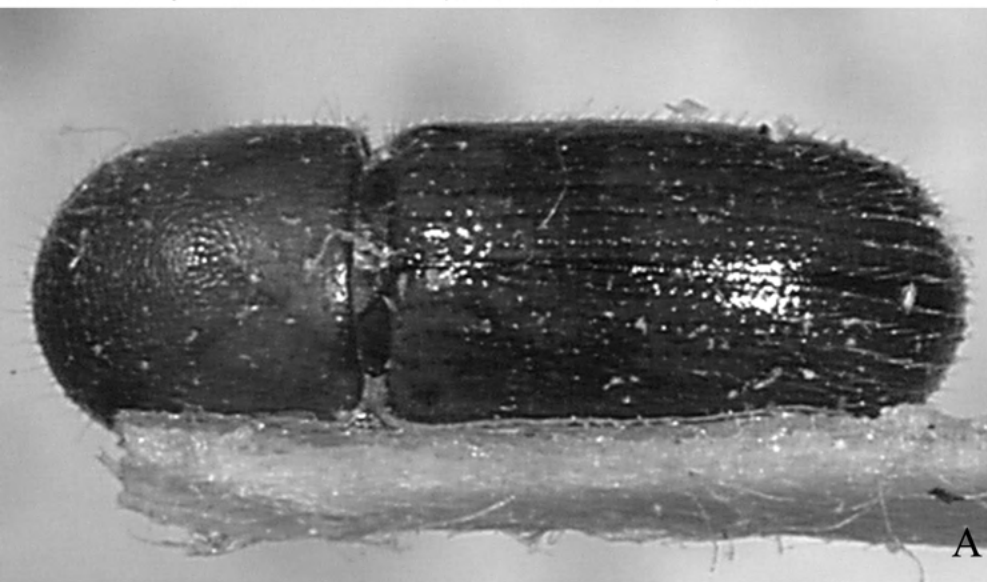
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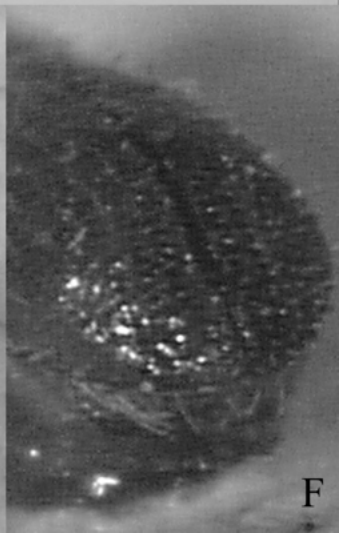
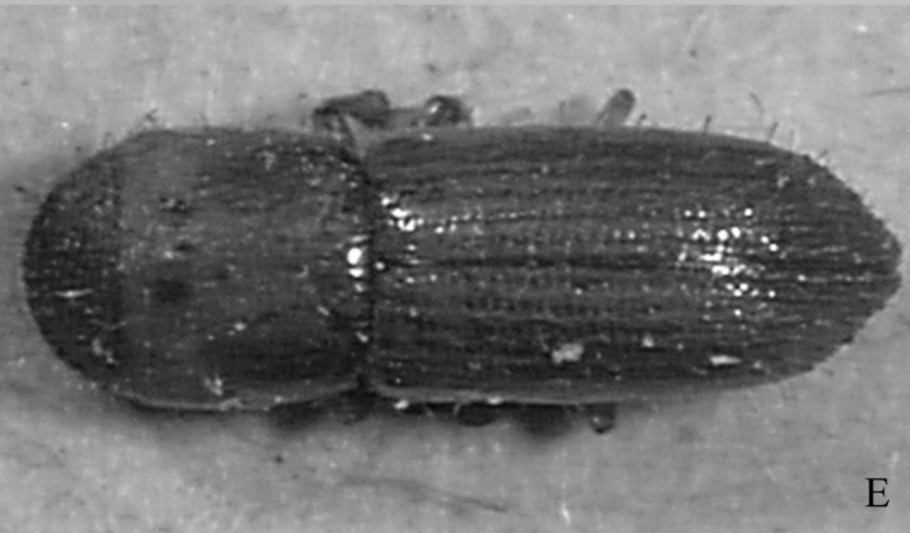
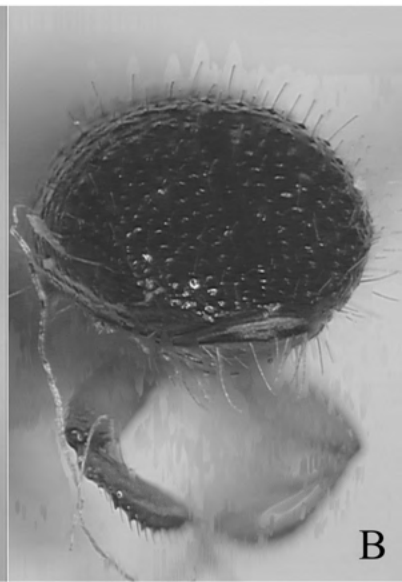


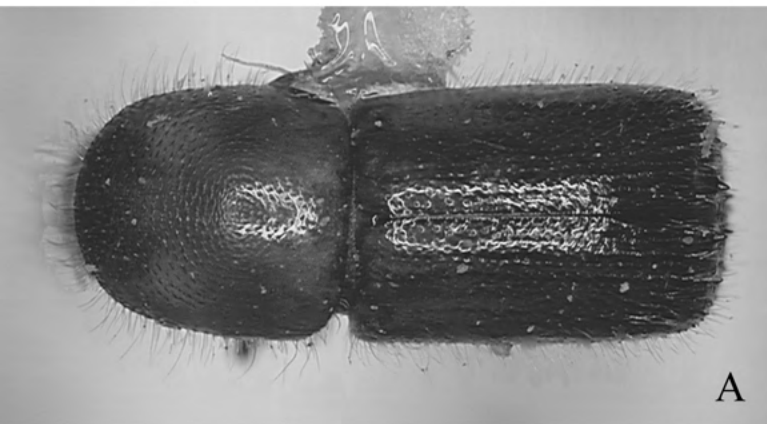




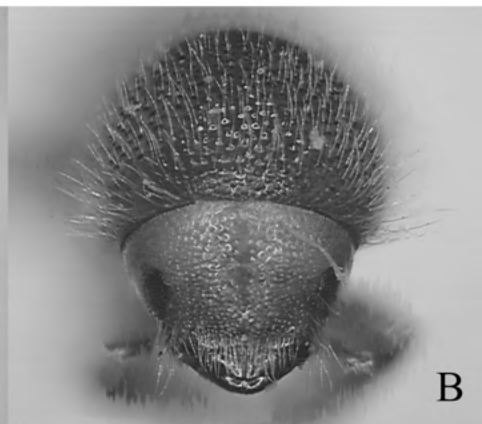








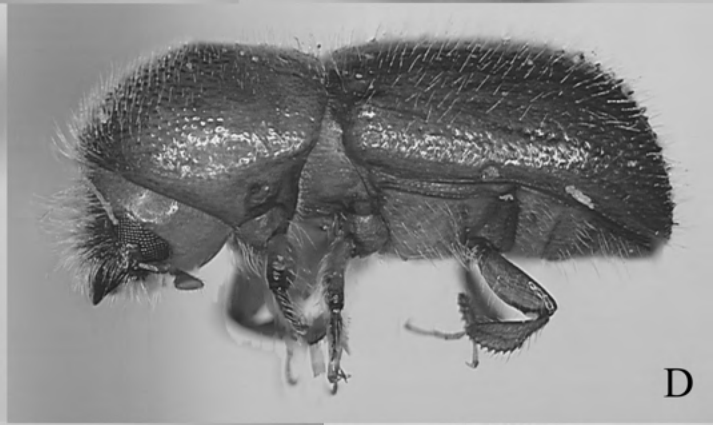
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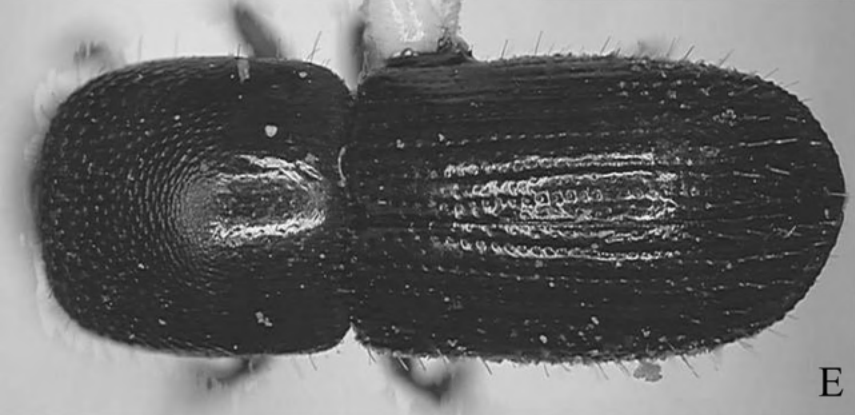
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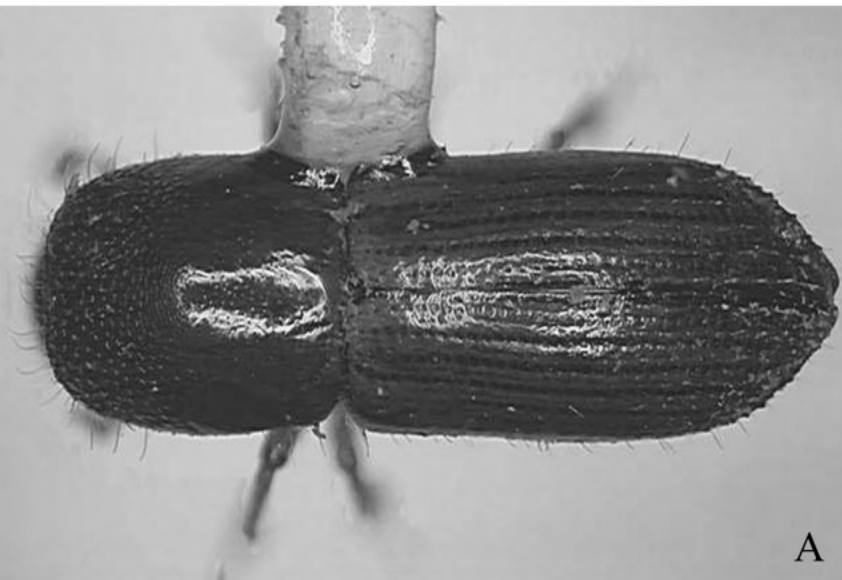
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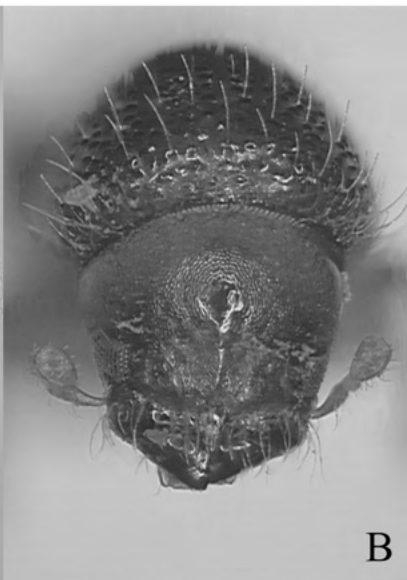
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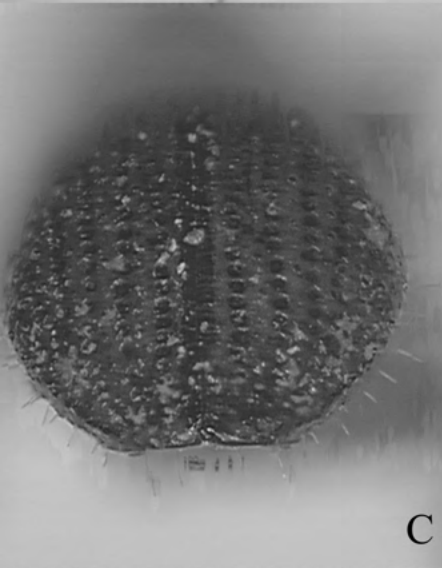
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A



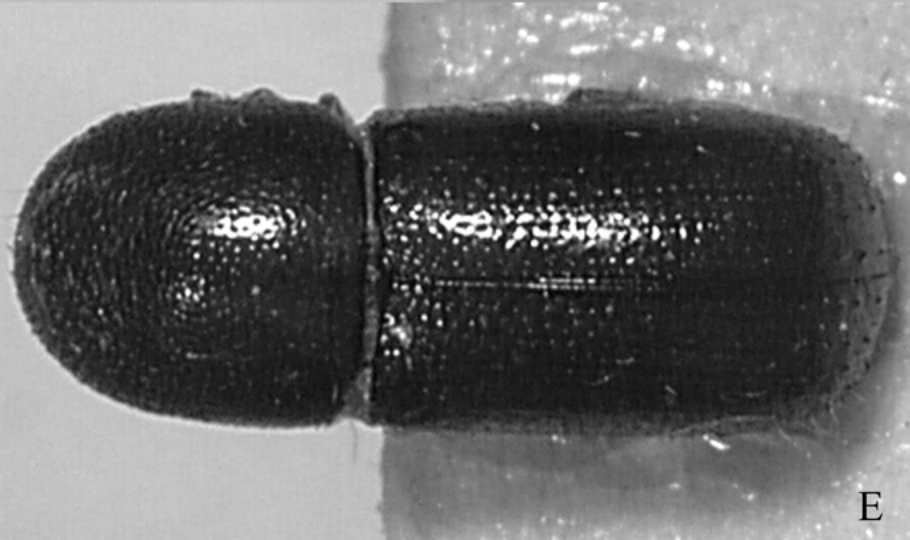
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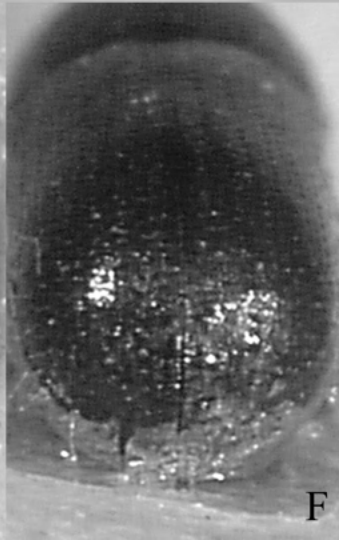
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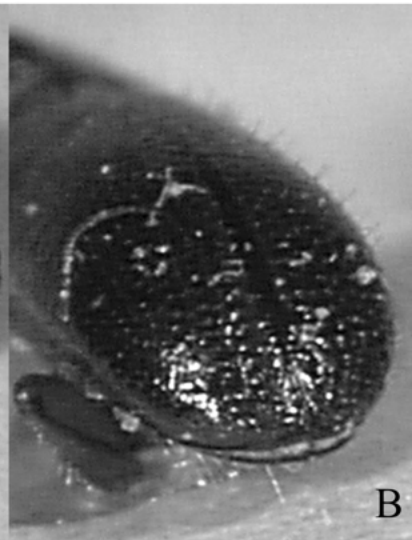
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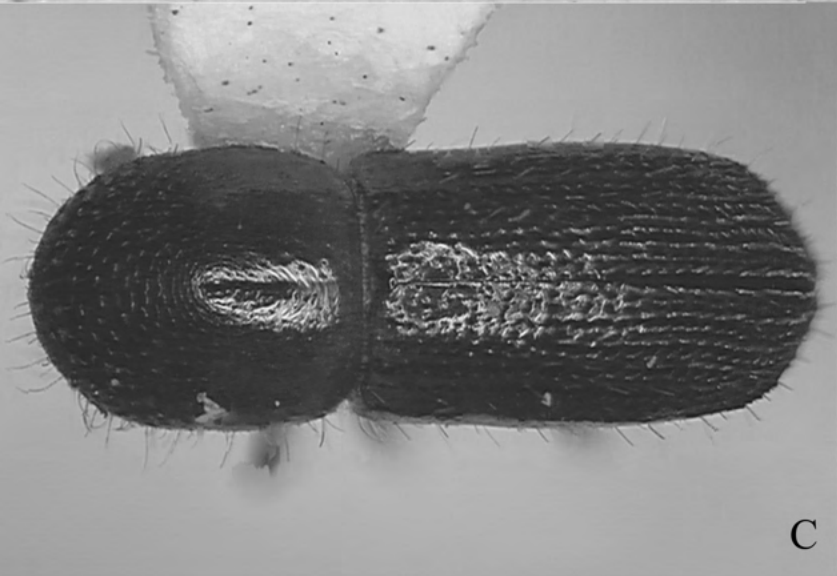
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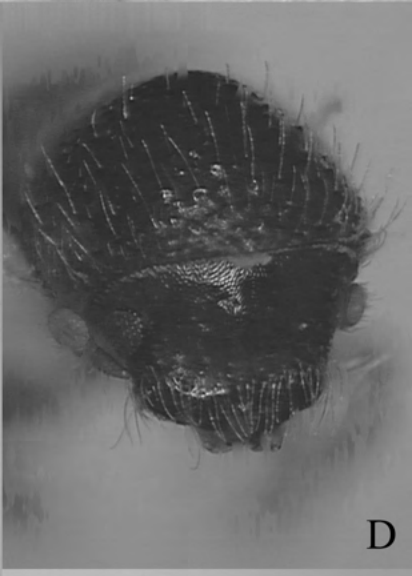
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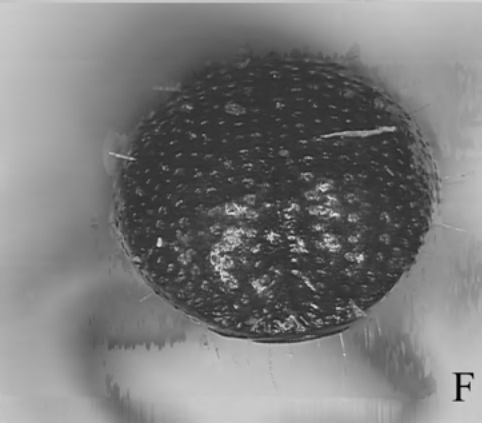
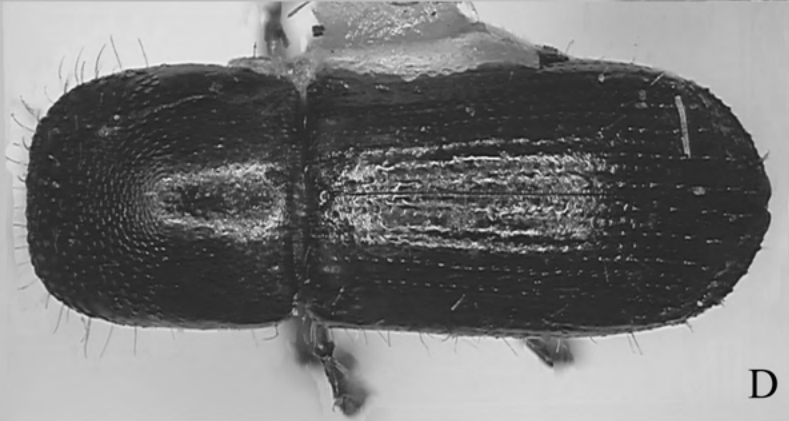
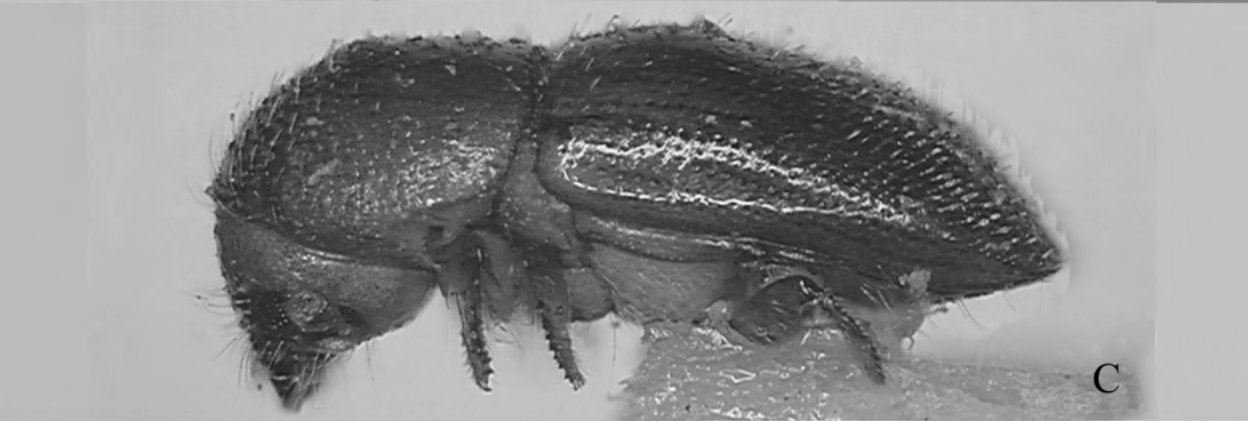
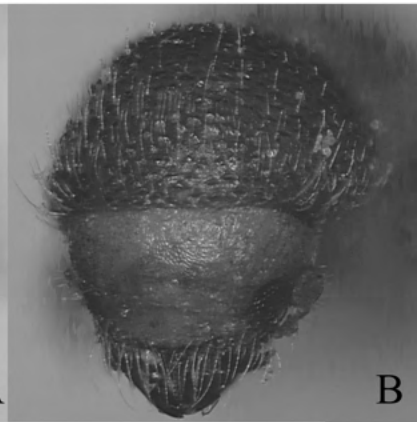
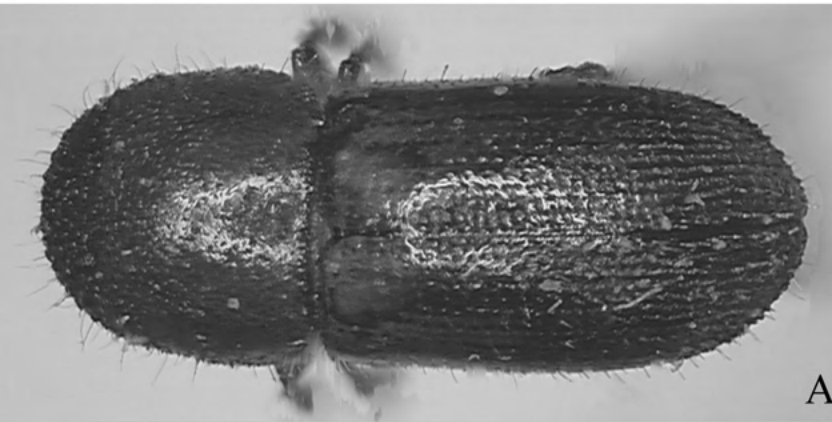
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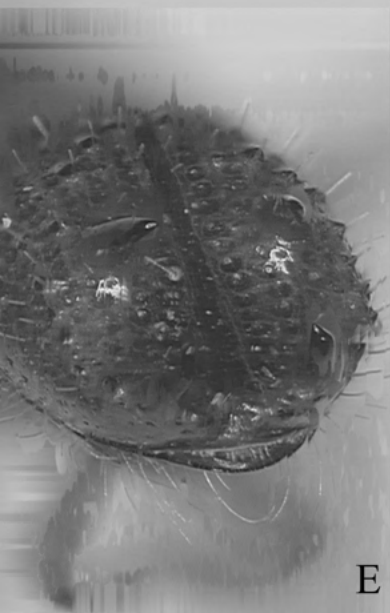
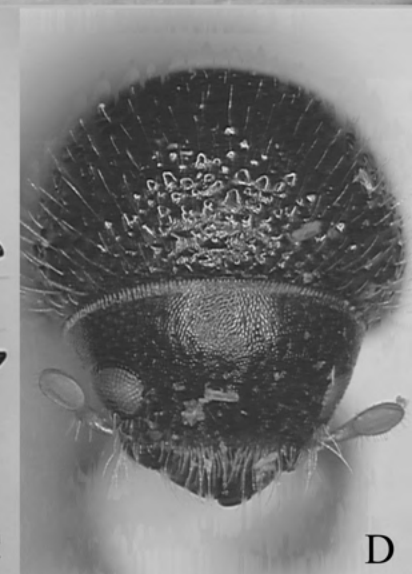
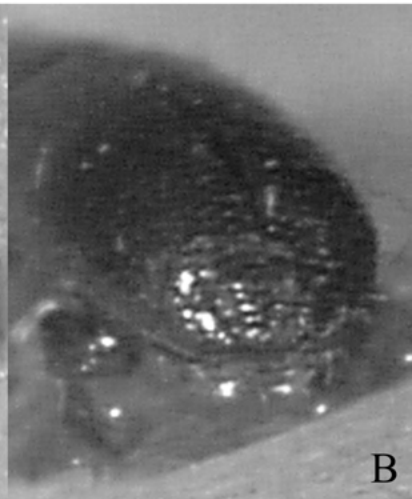
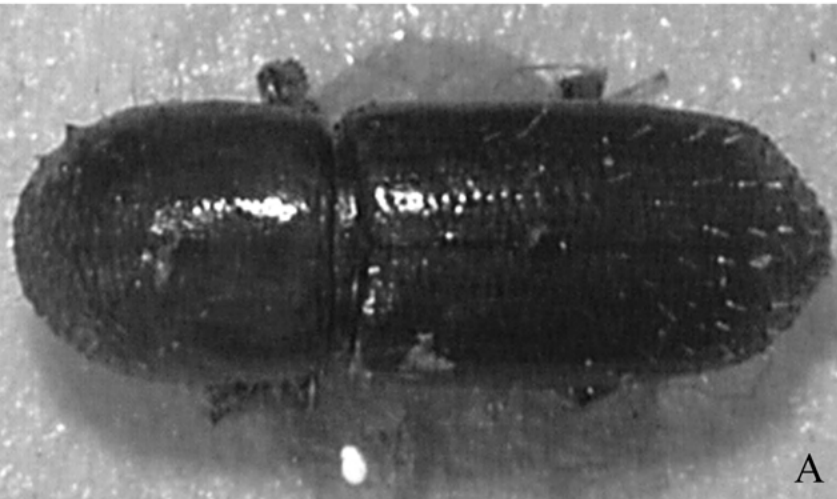


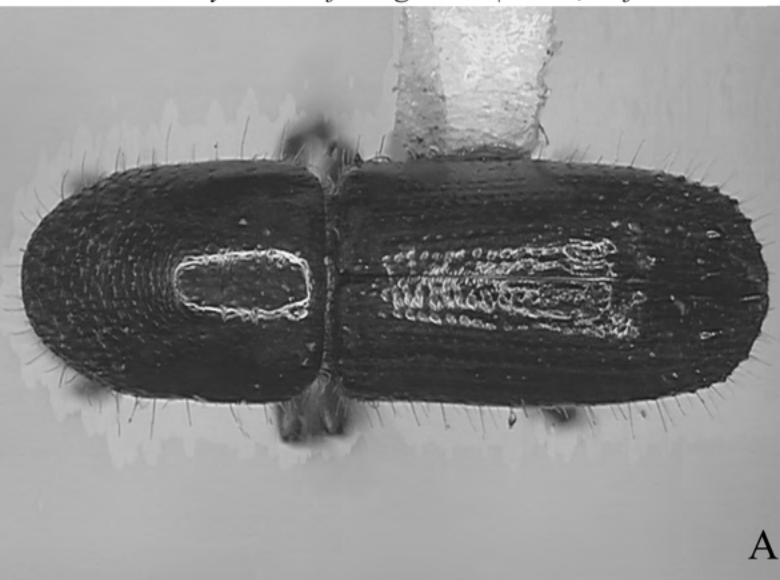
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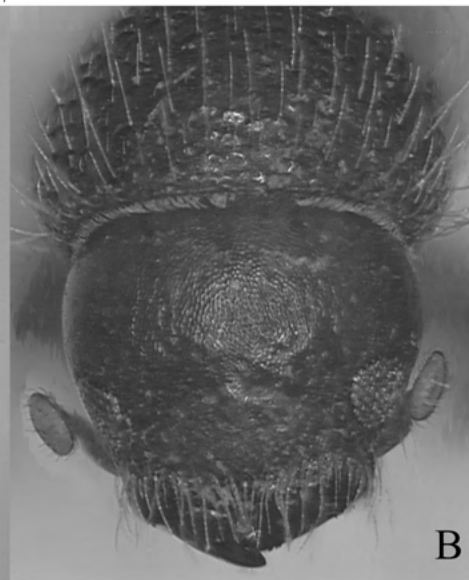
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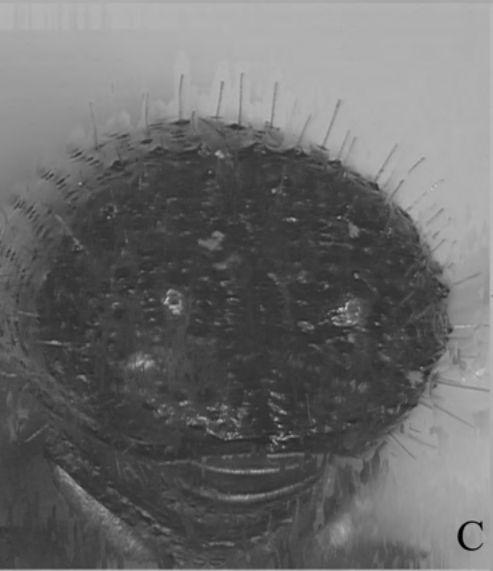




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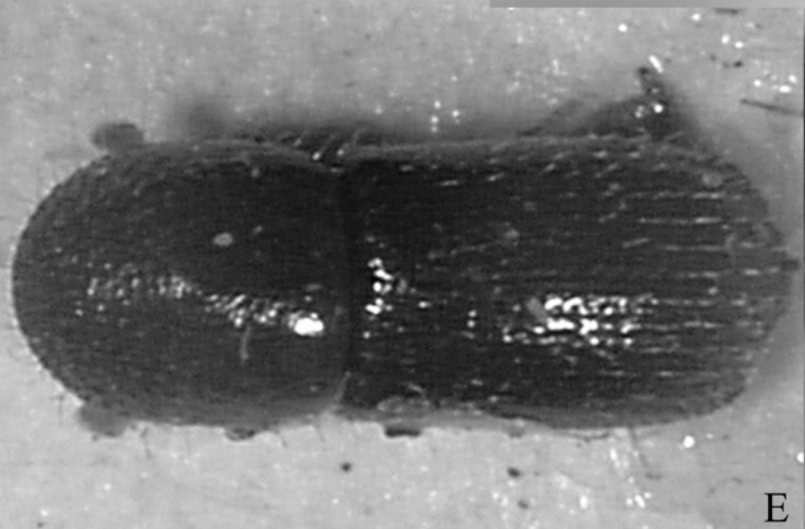
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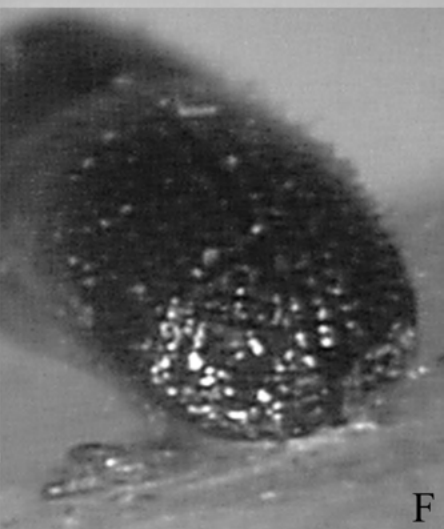
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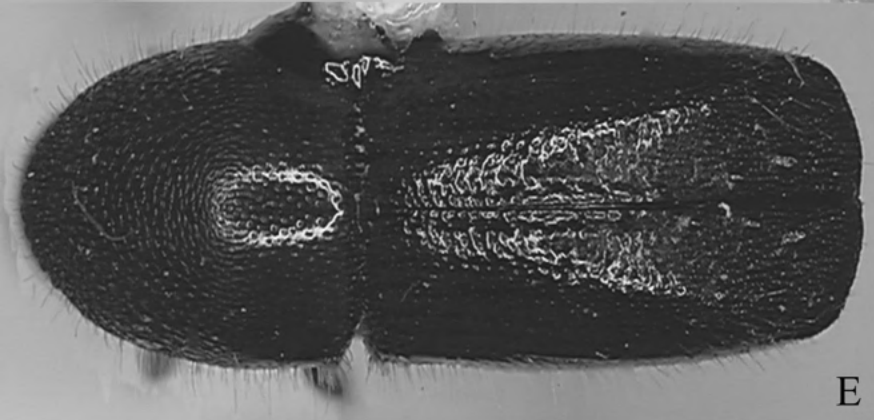
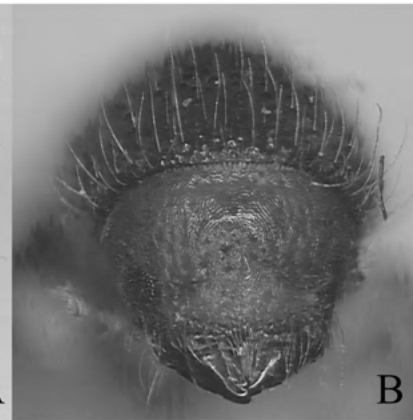
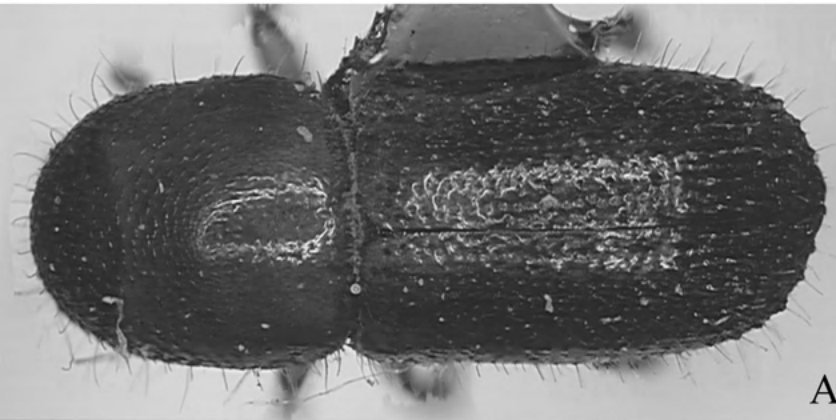
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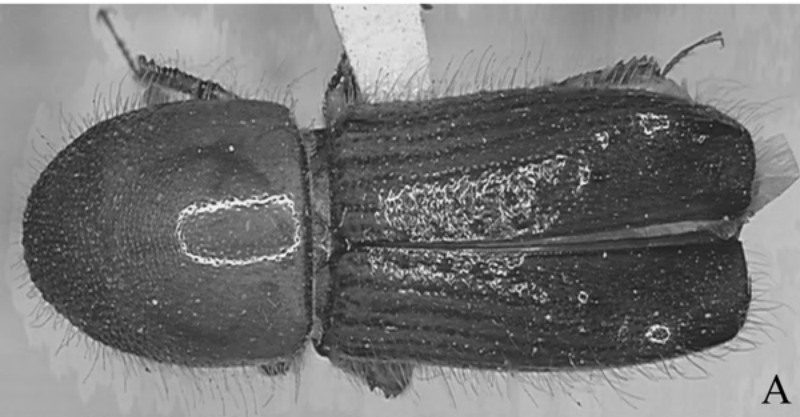


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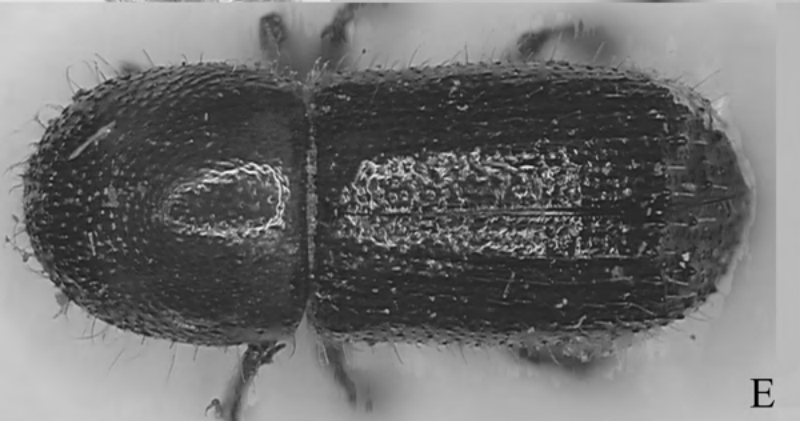
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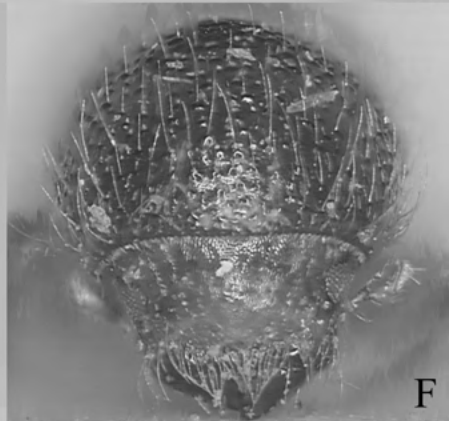
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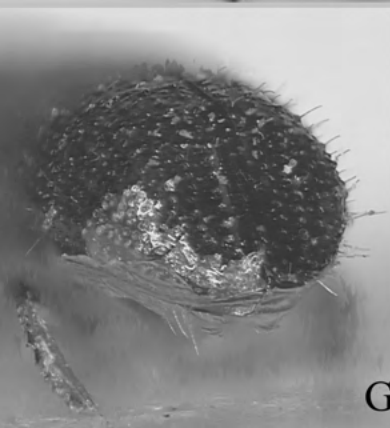
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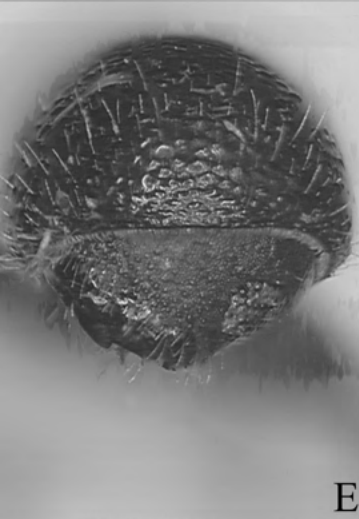
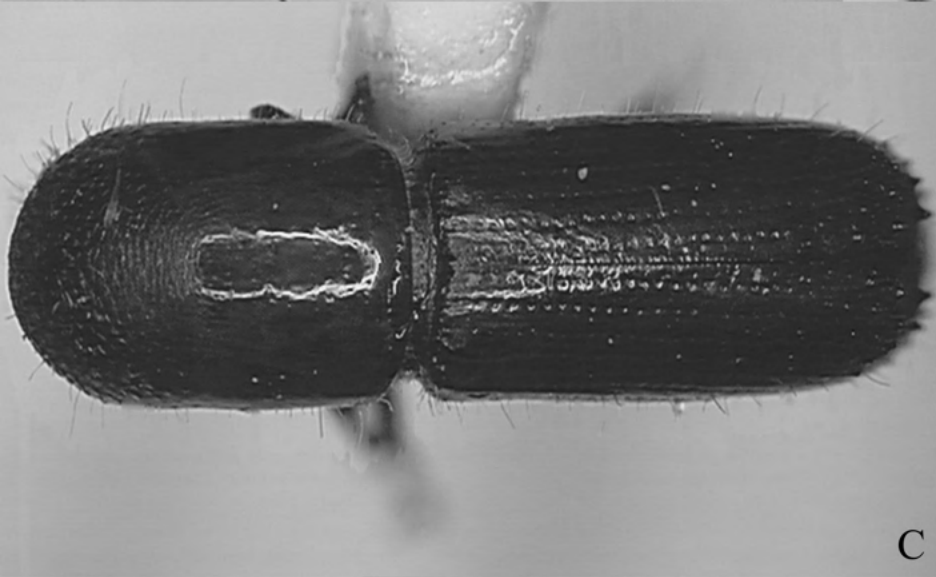
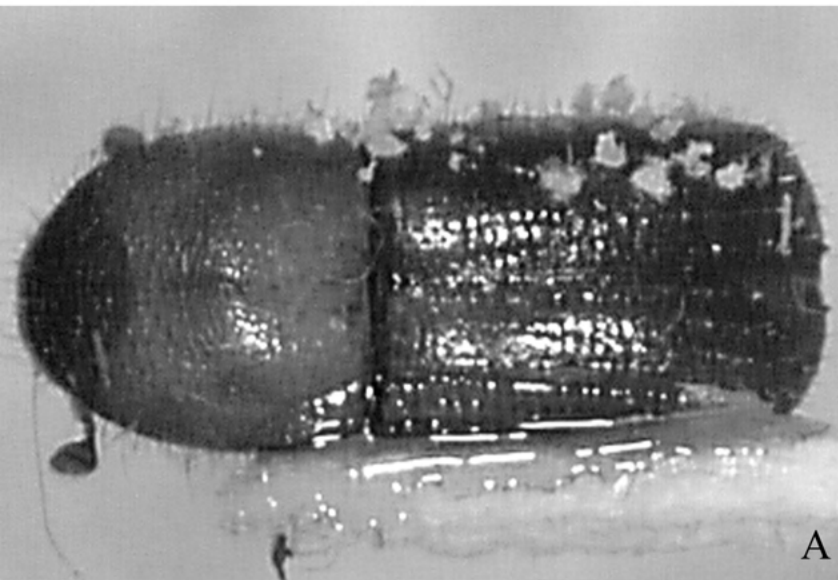
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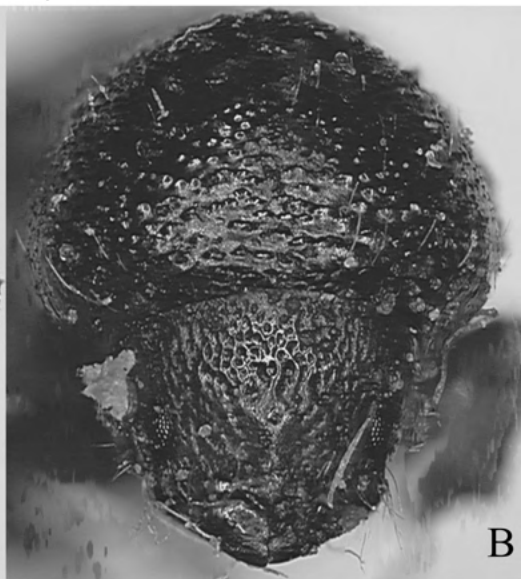


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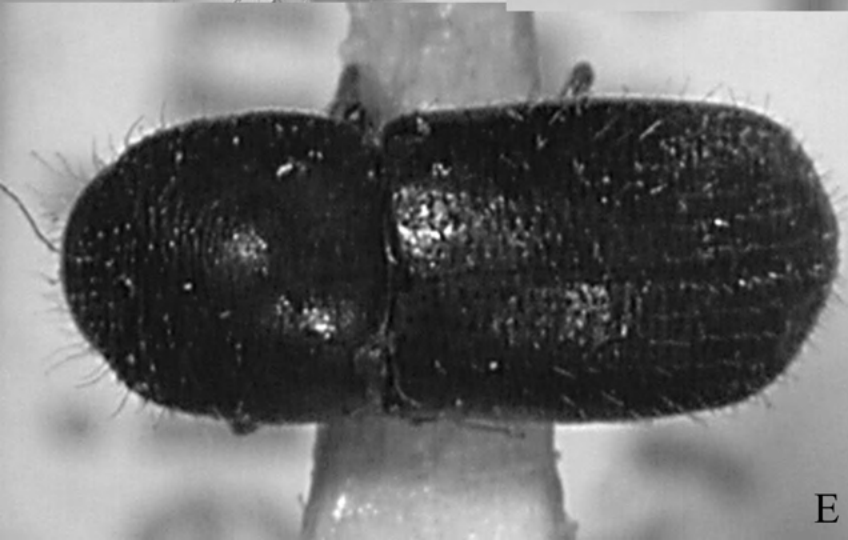
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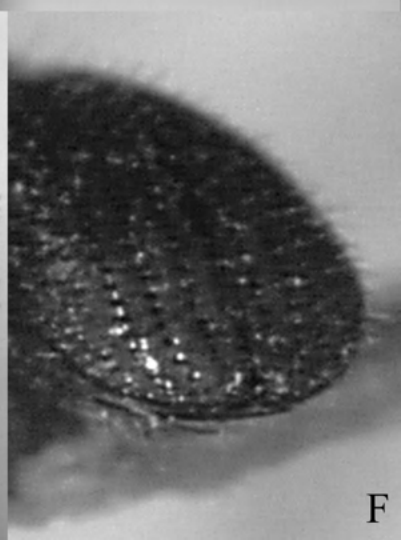
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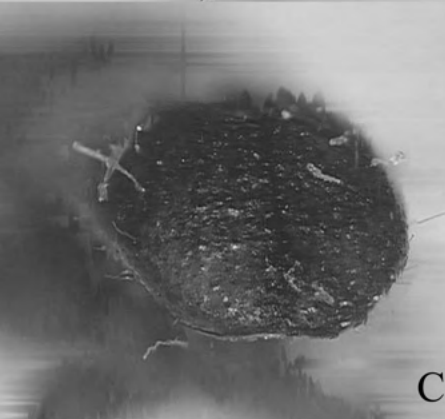
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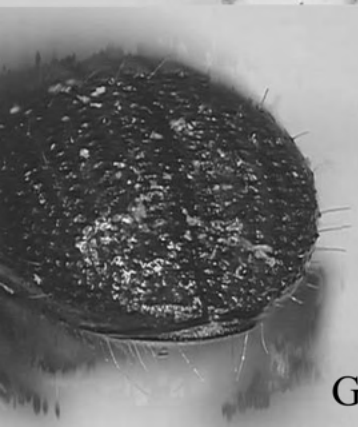
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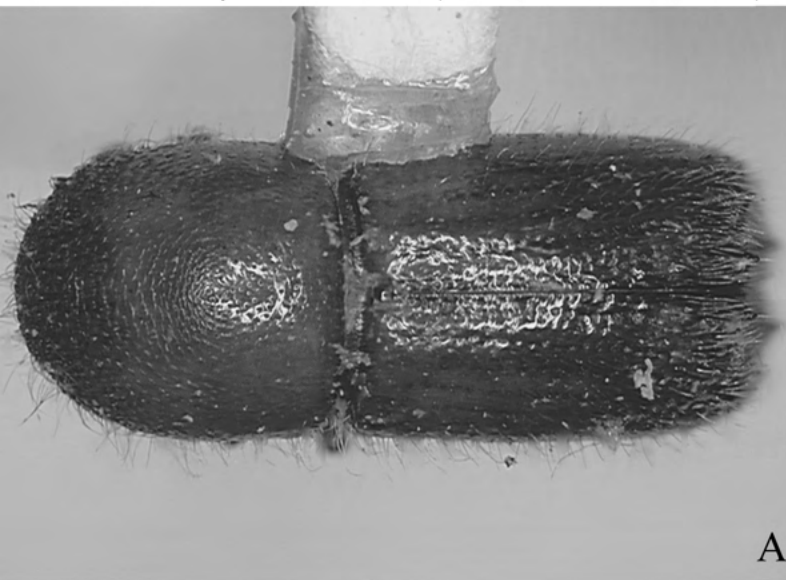
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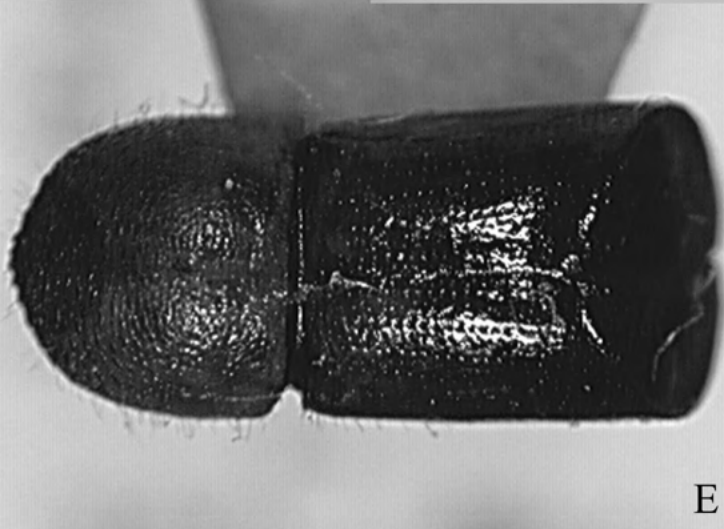
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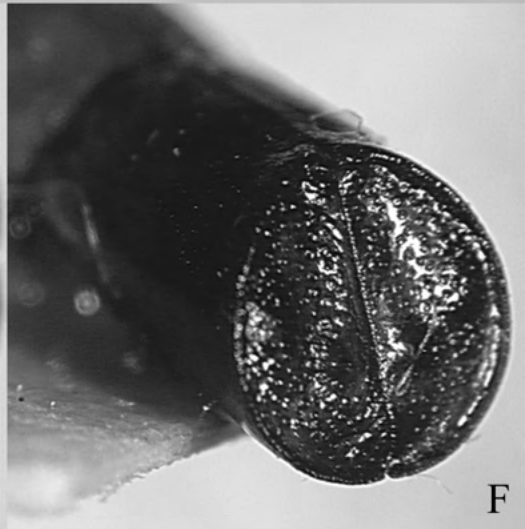
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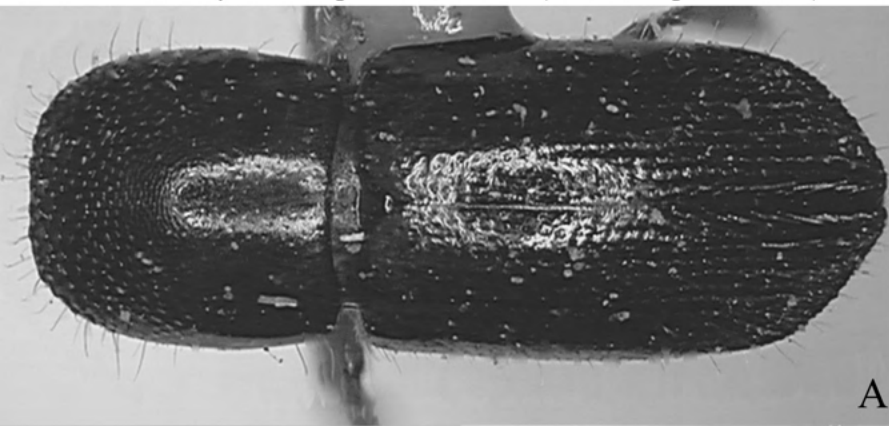
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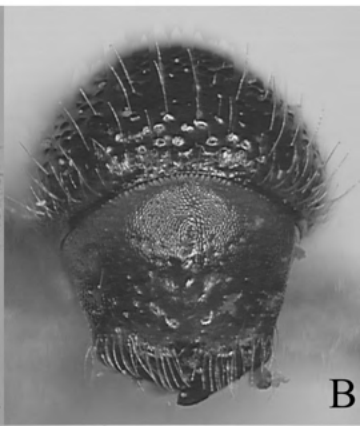
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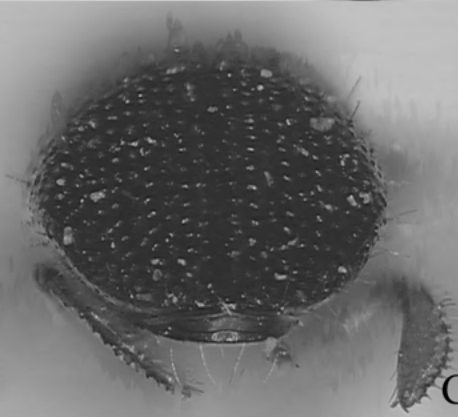
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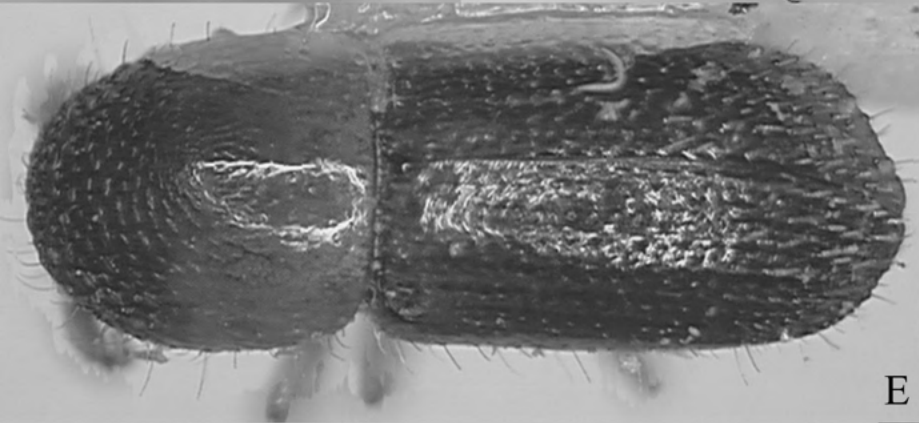
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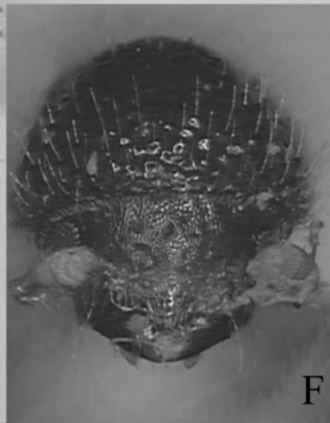
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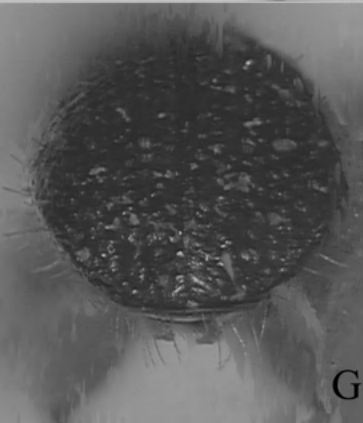
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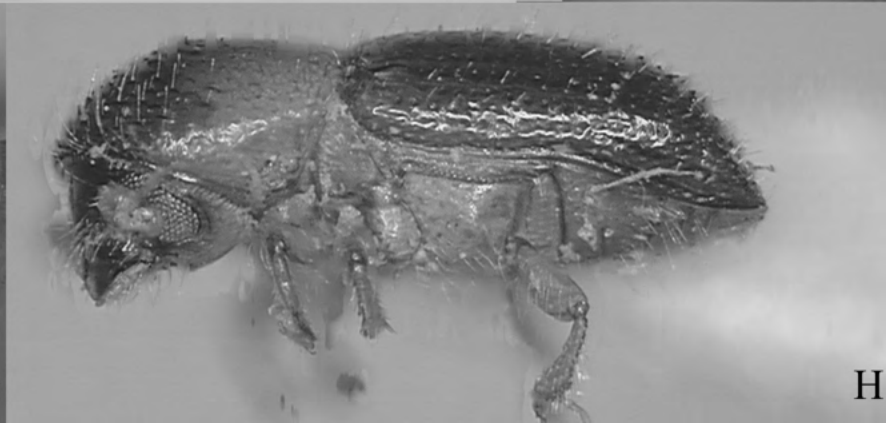
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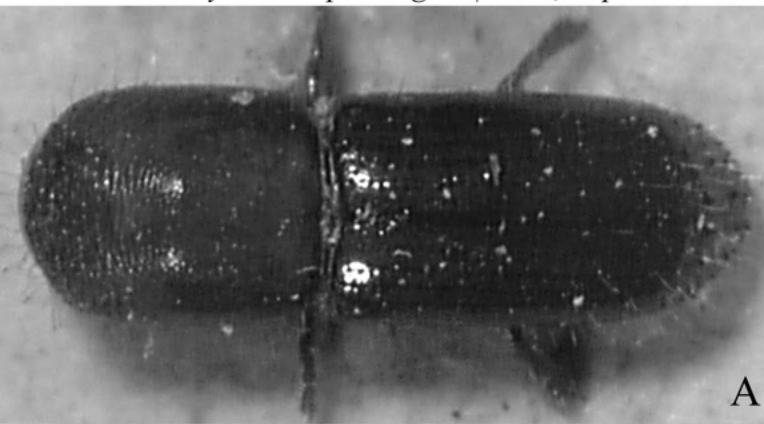
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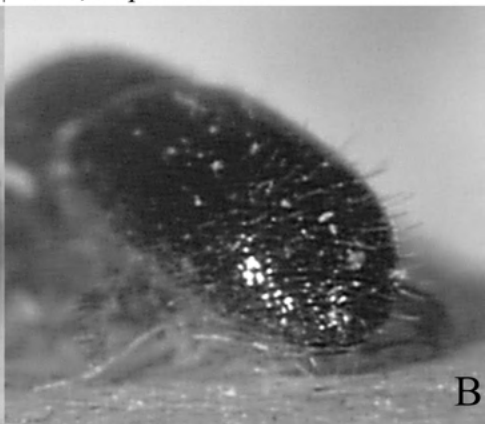
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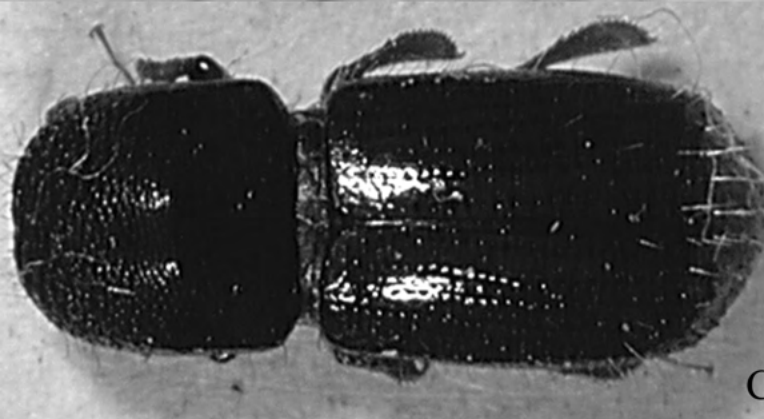
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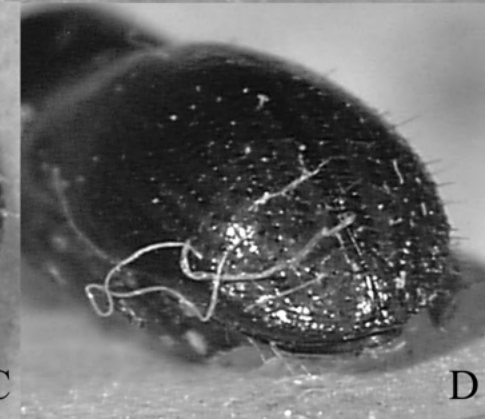
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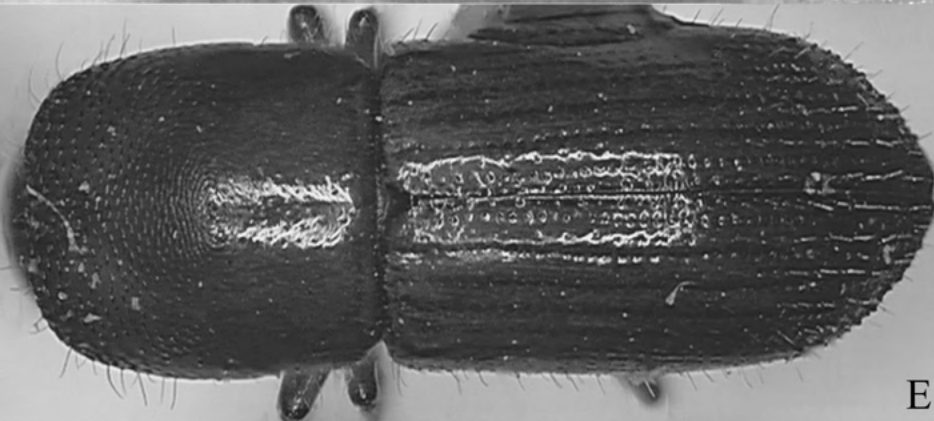
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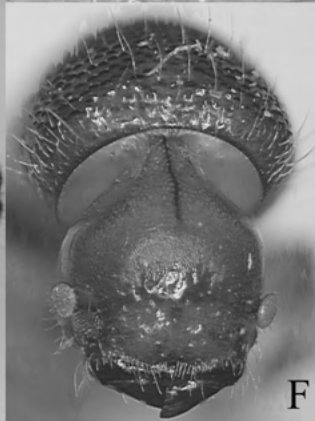
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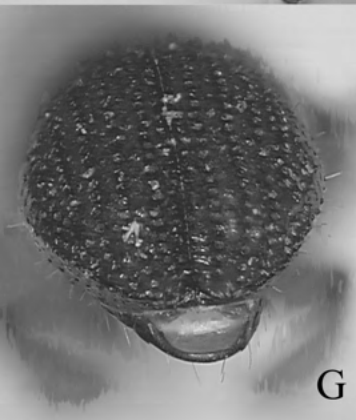
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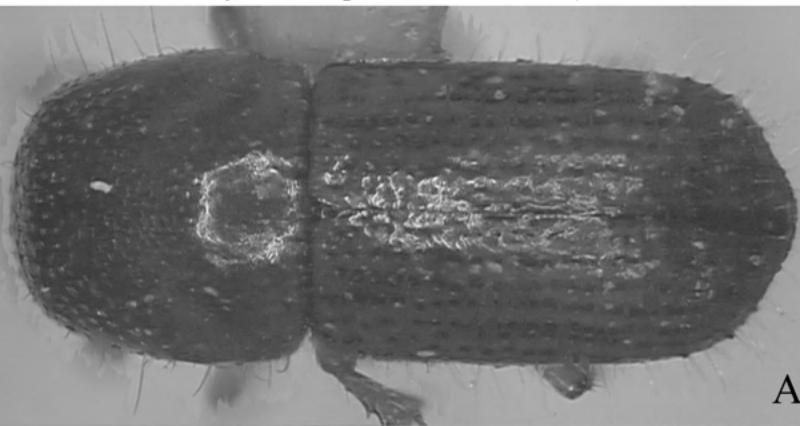
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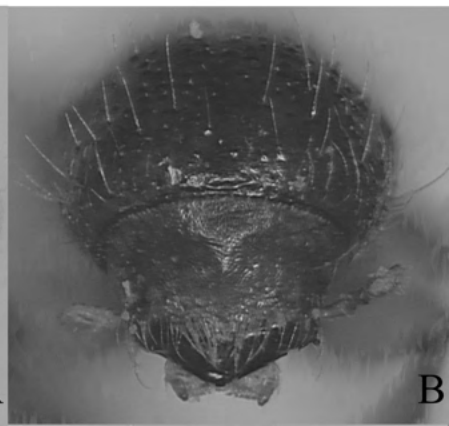
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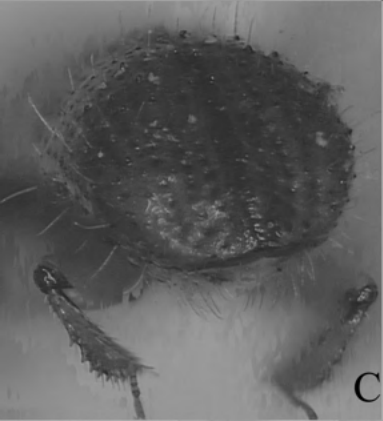
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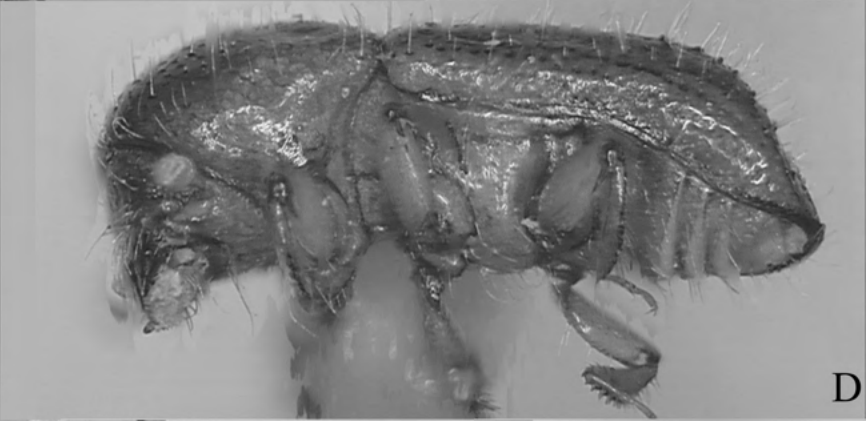
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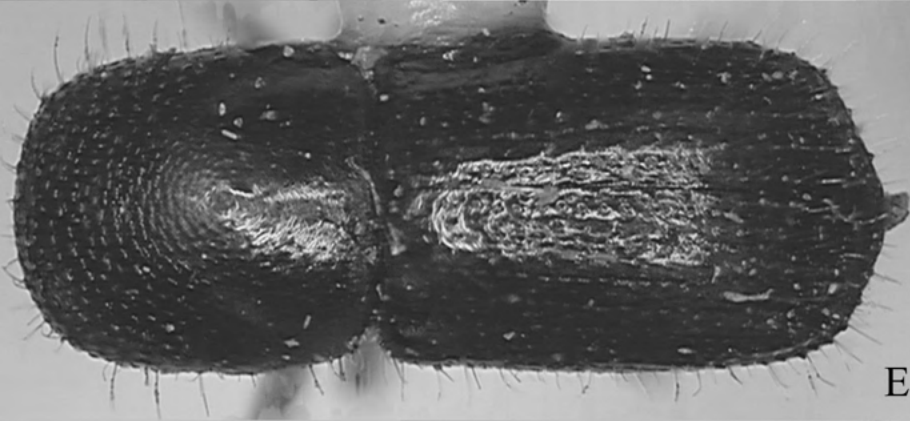
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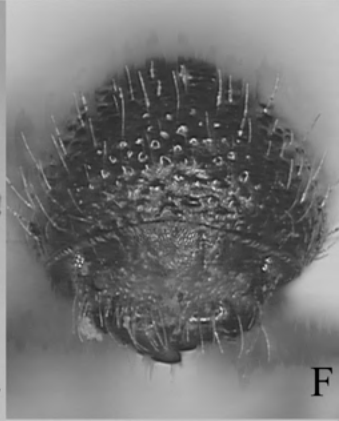
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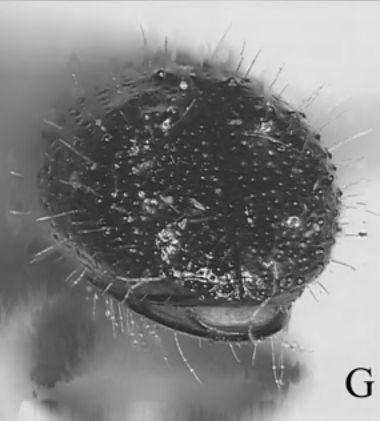
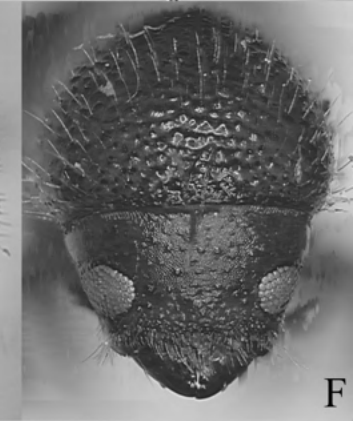
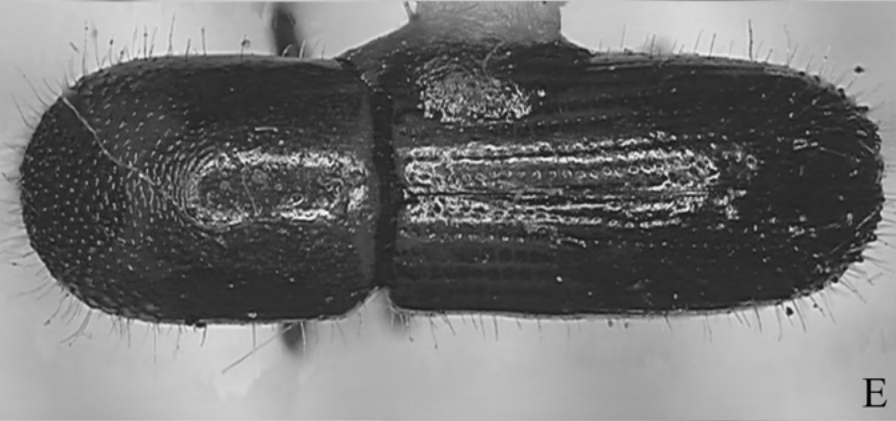
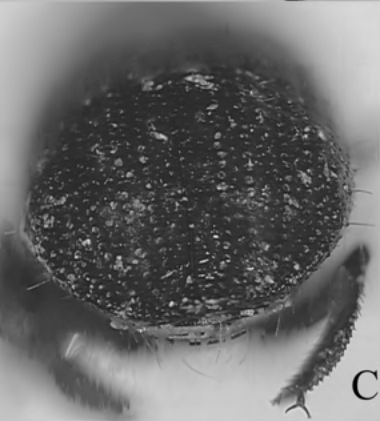
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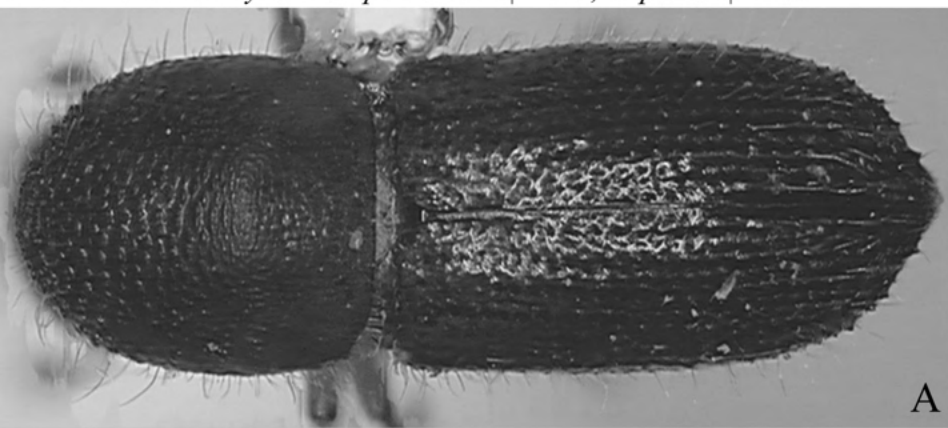


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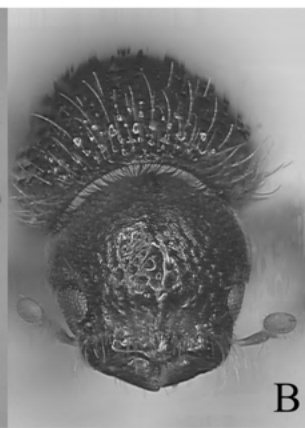


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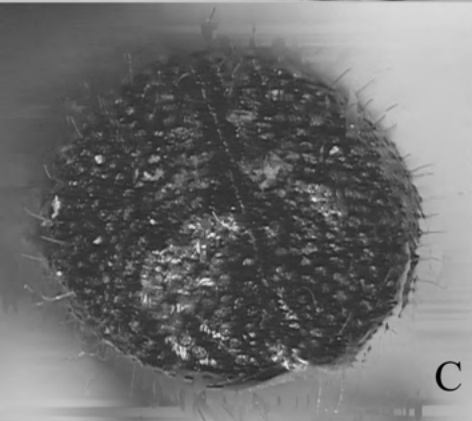




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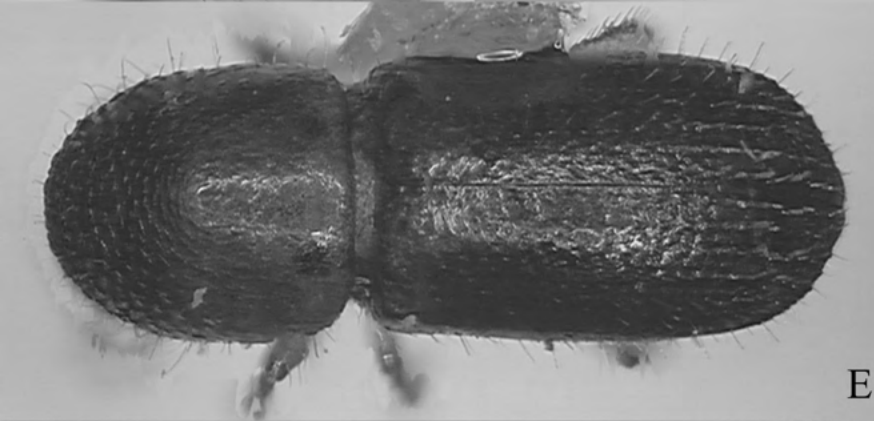
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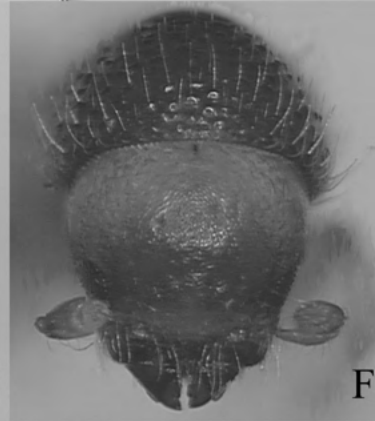
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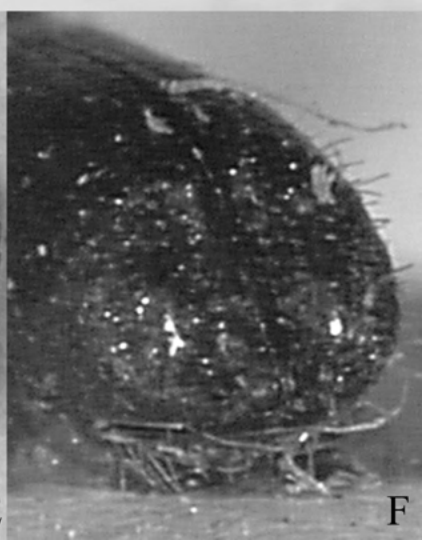
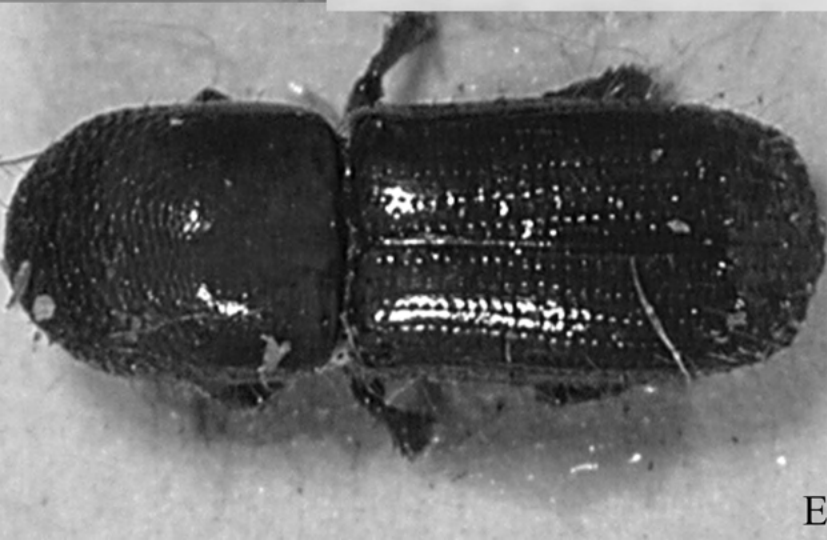
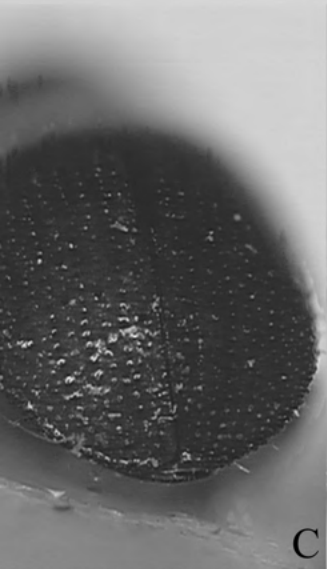
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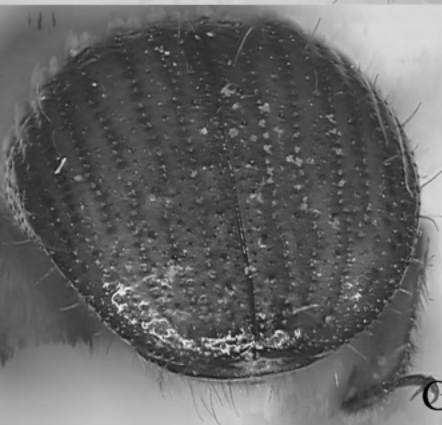
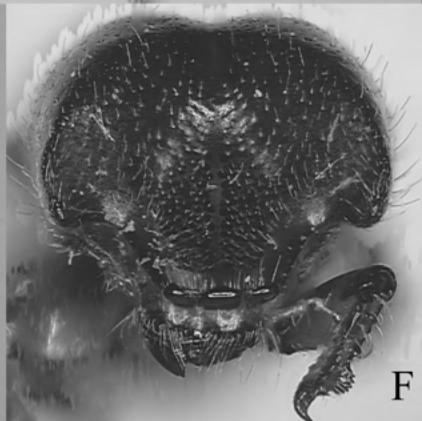
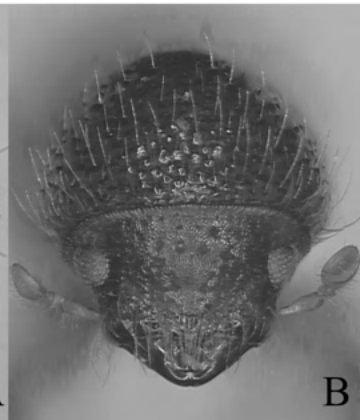
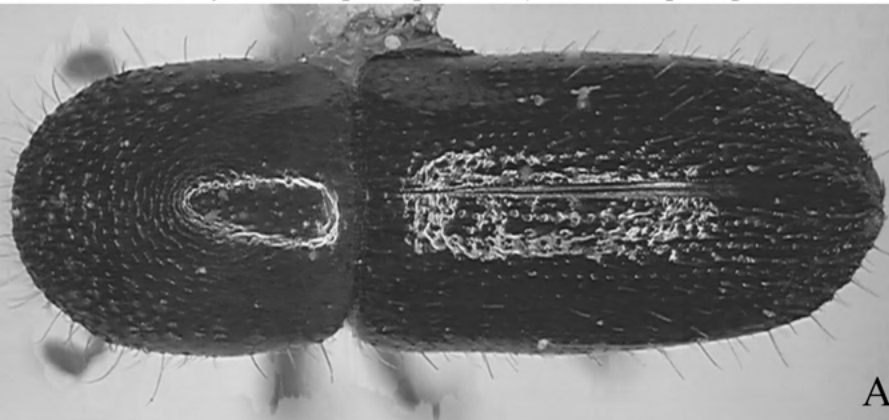


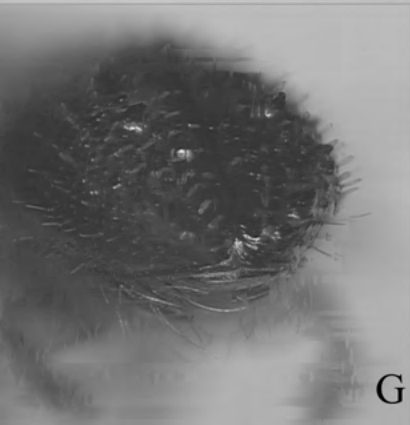
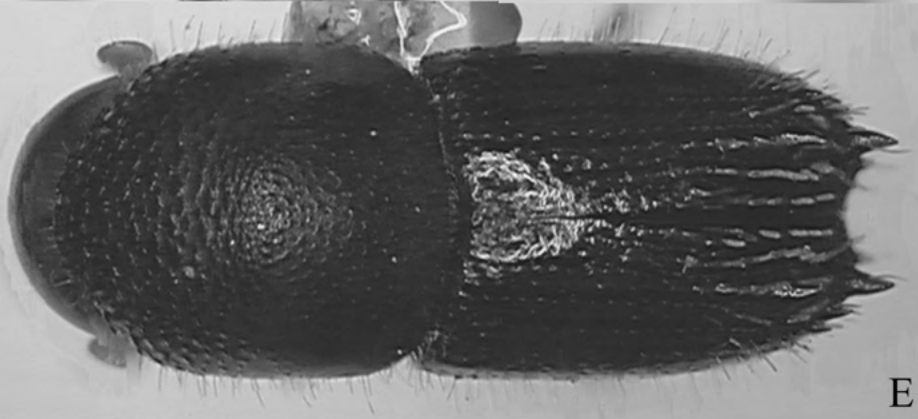
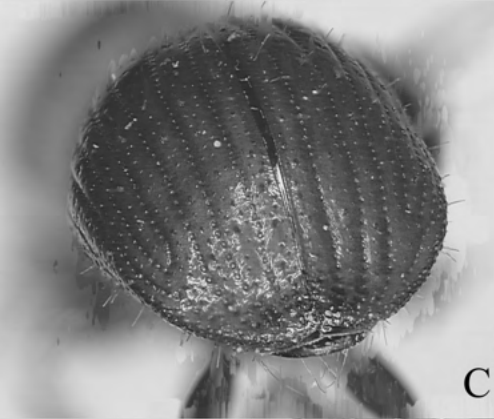
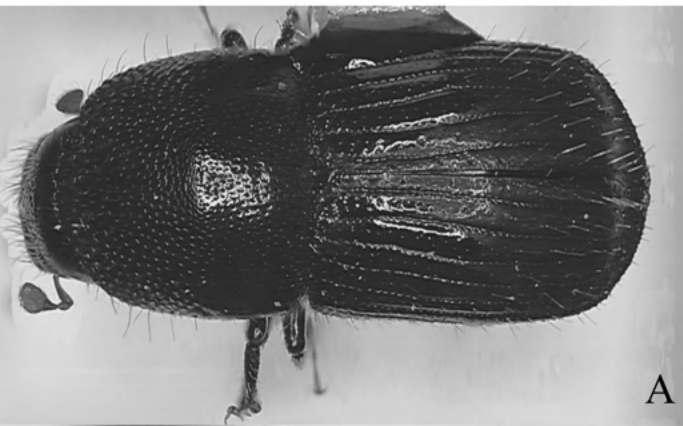
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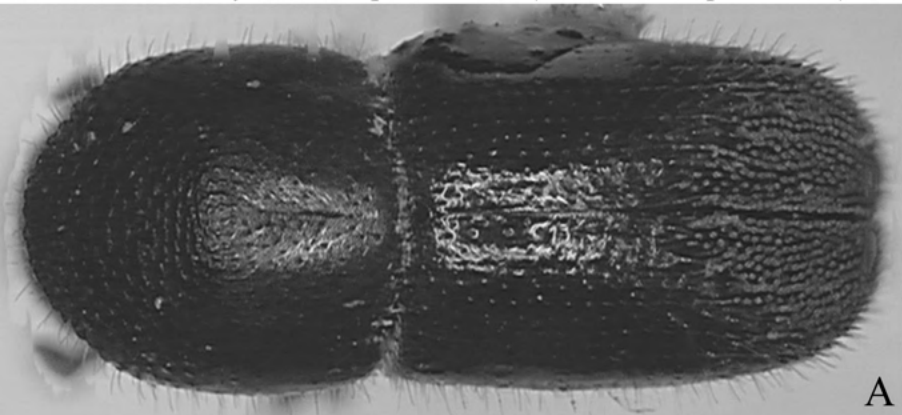


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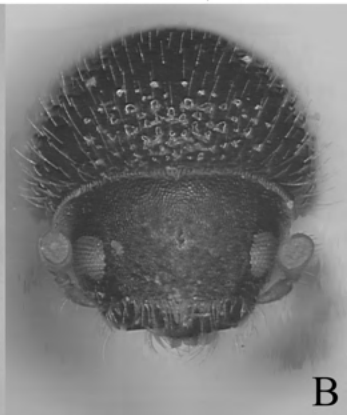








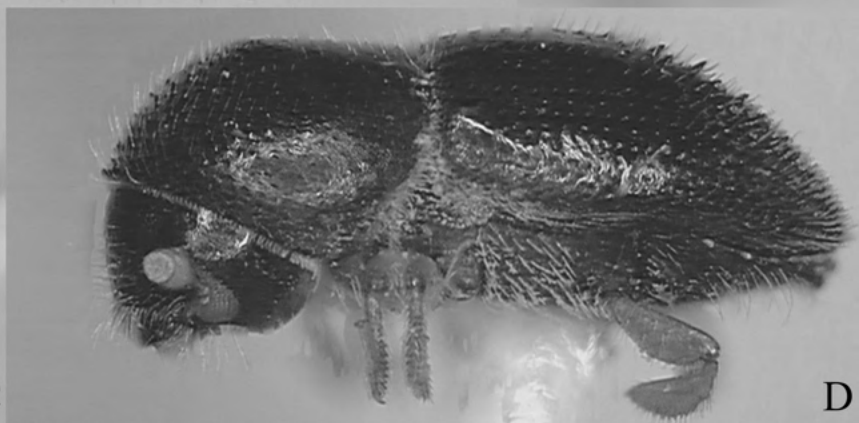
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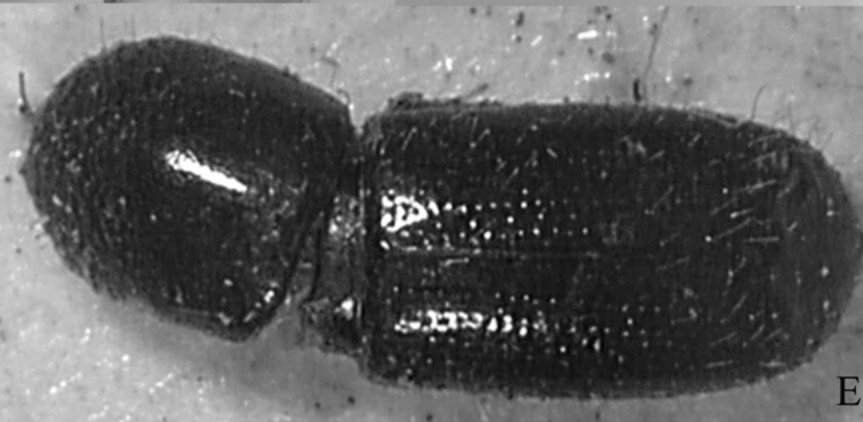
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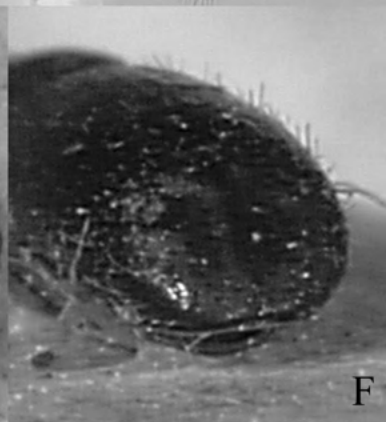
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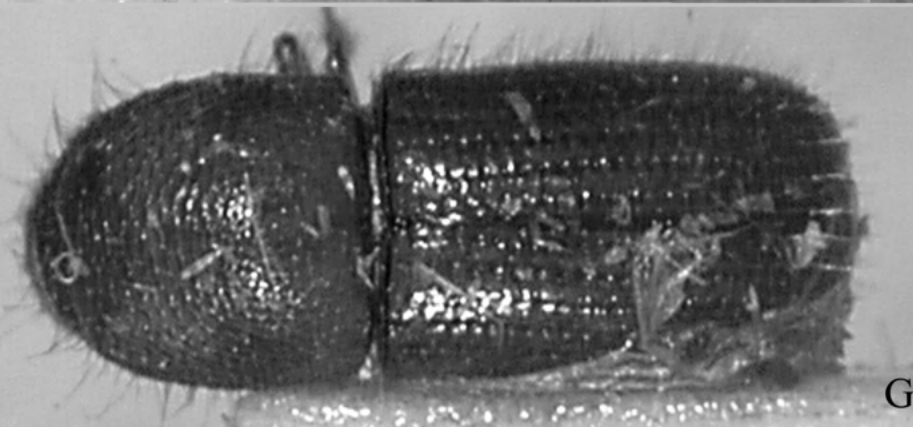
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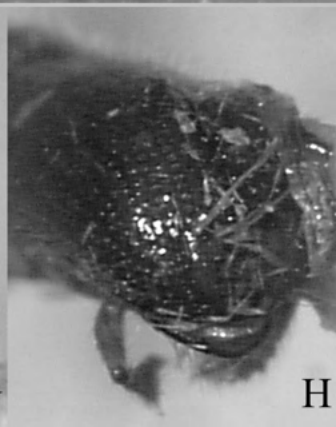
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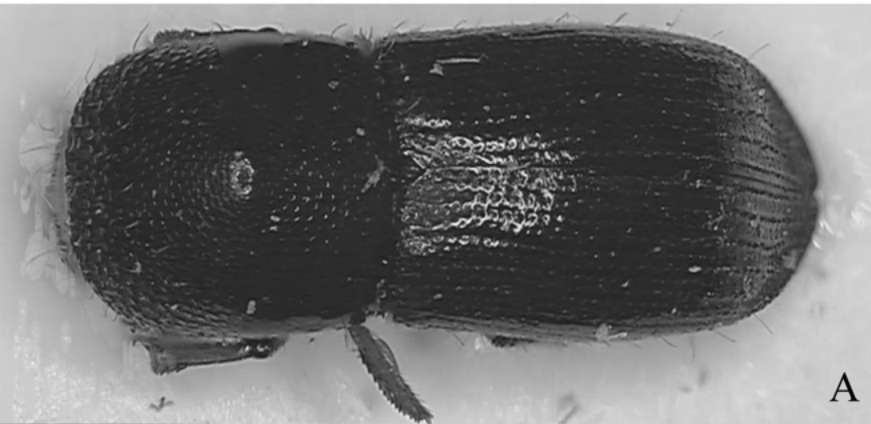
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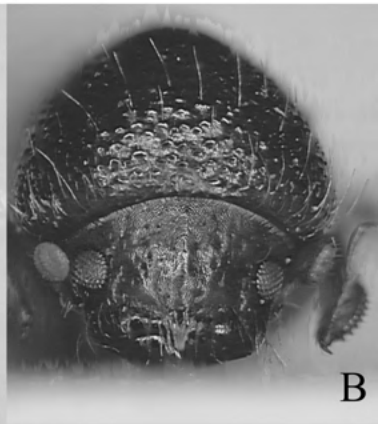
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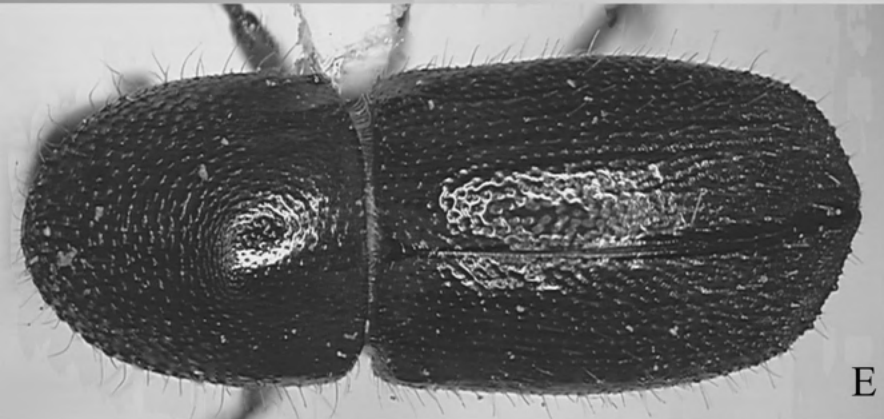
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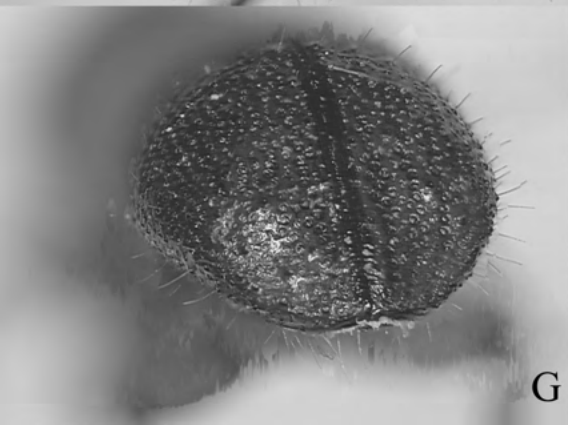
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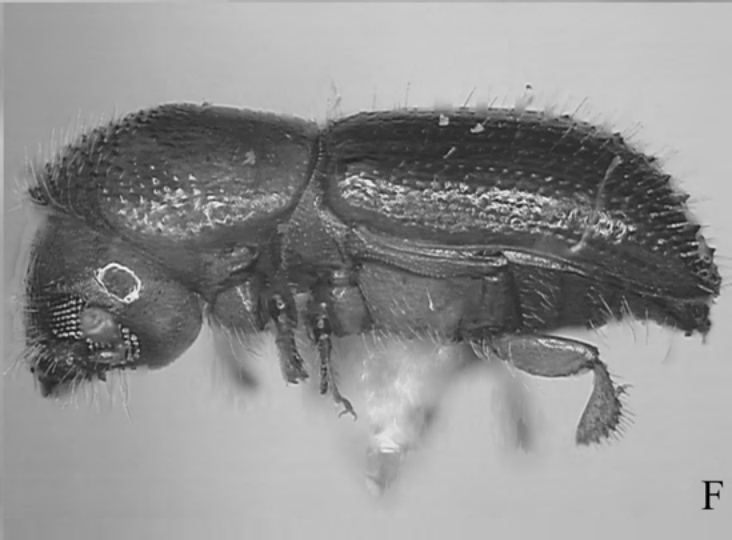
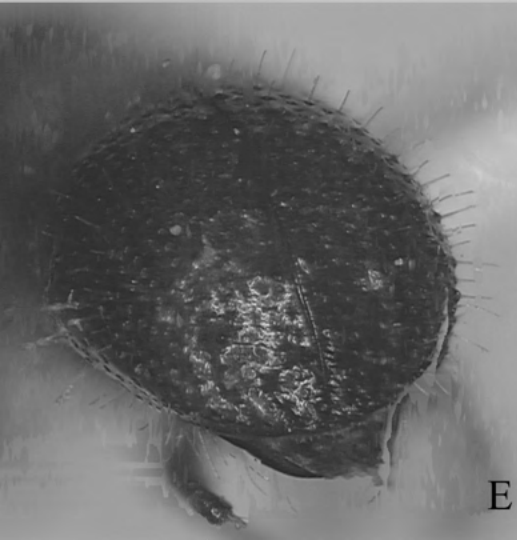
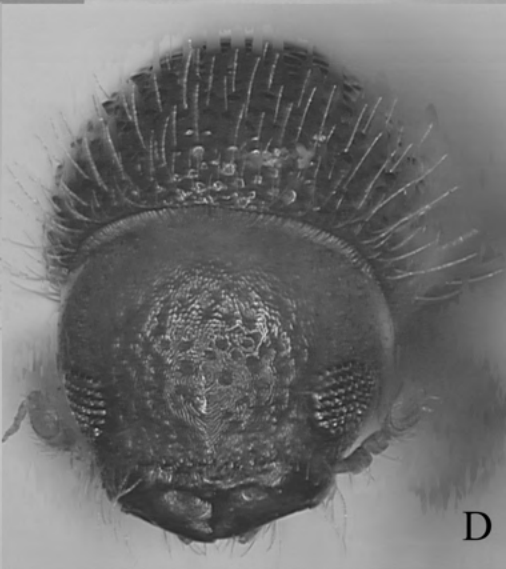
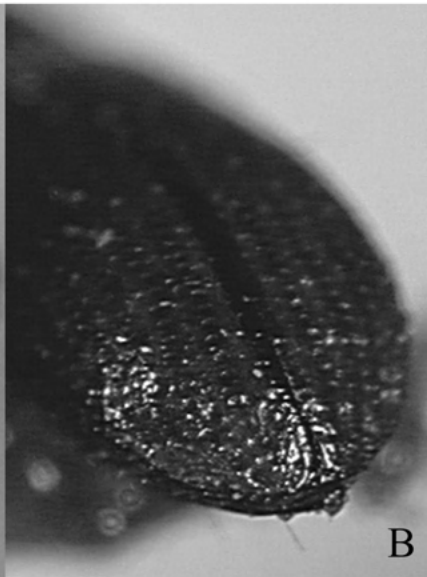
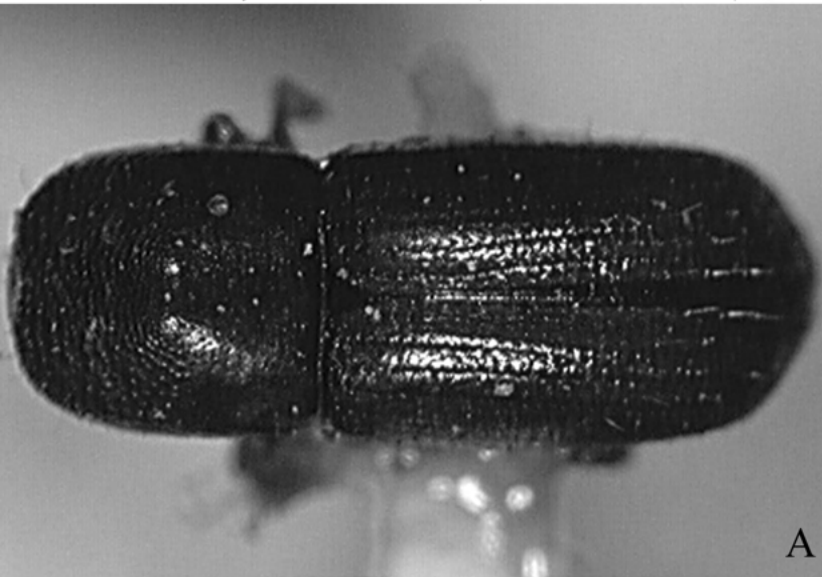
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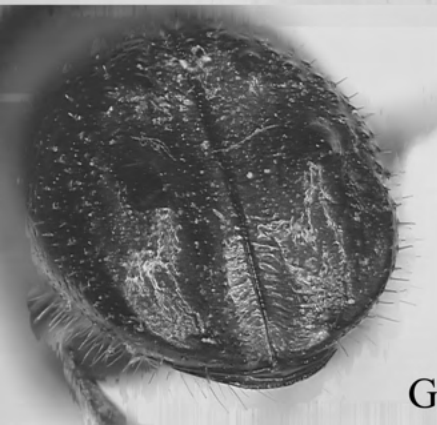
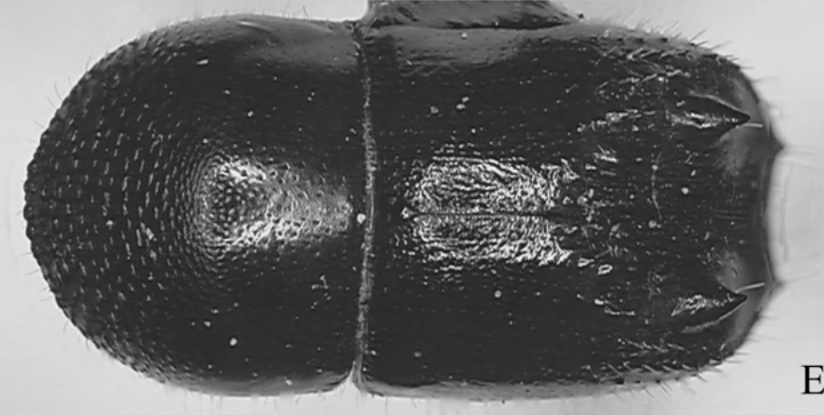
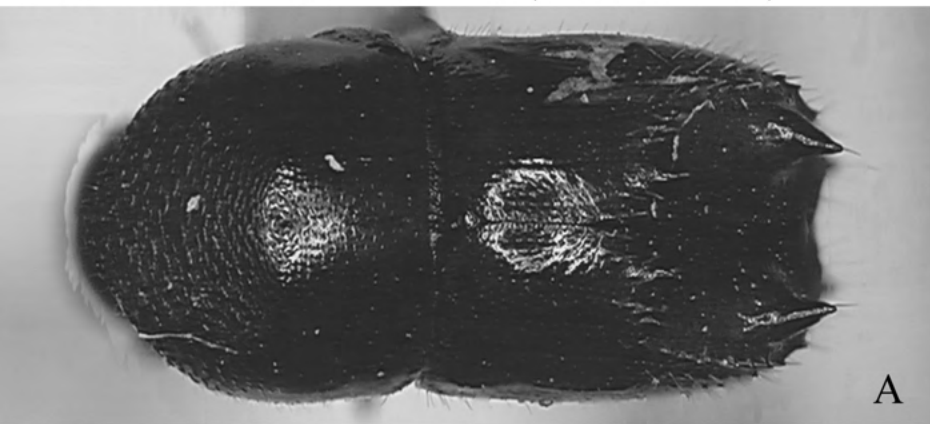


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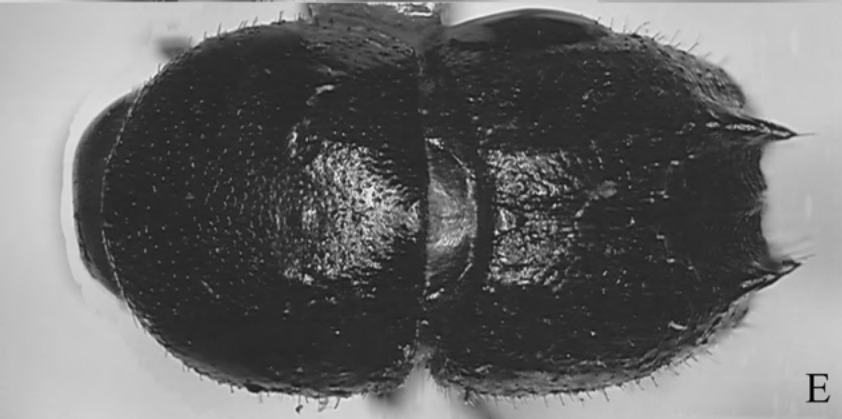
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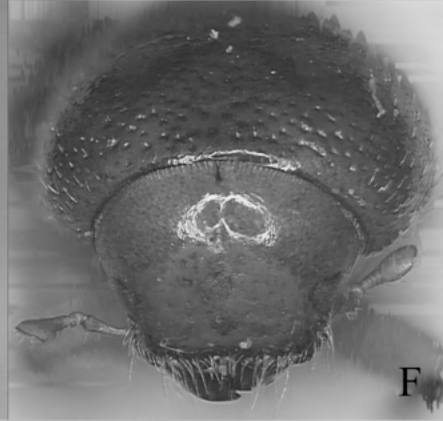
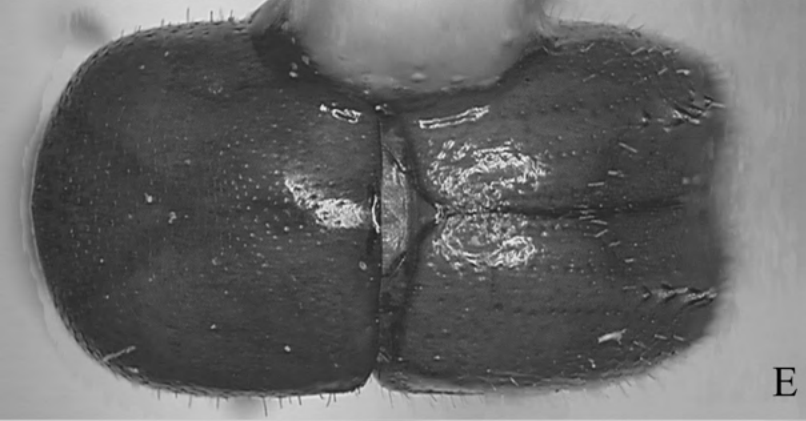
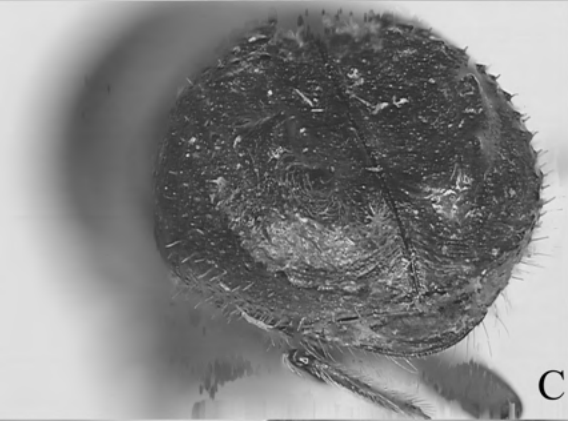
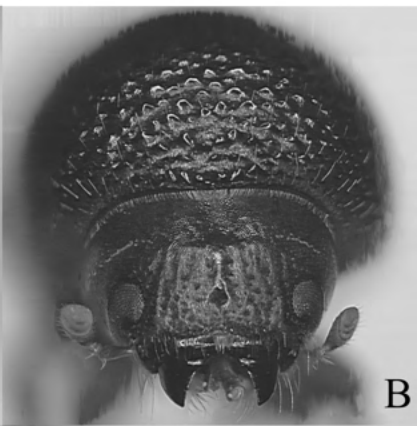
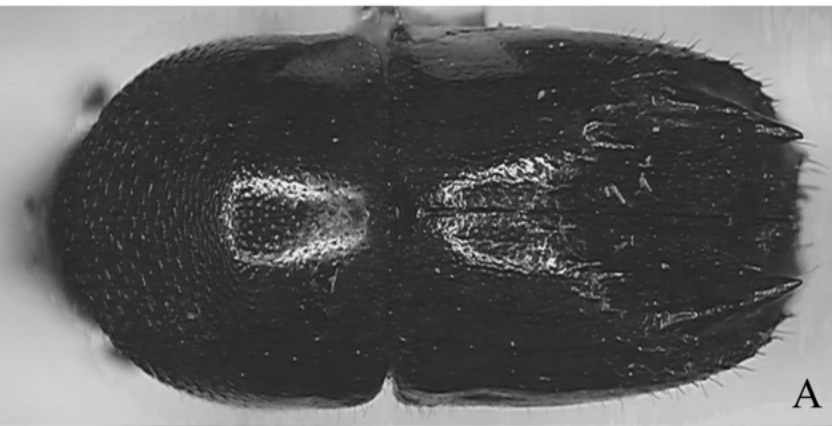
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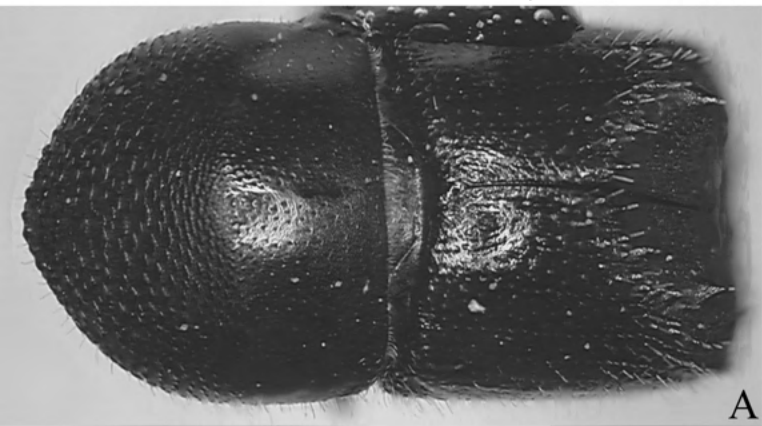


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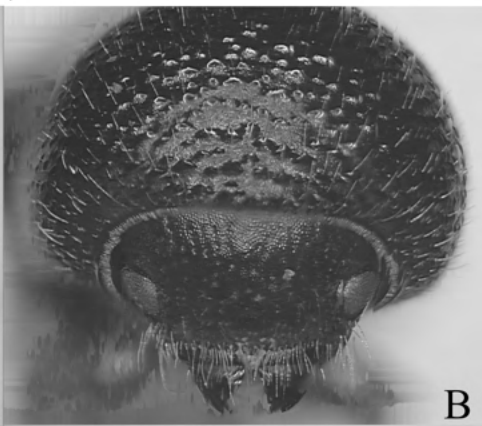


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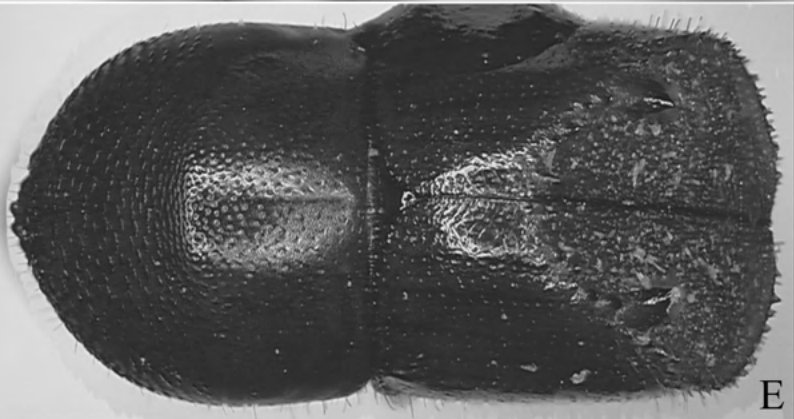
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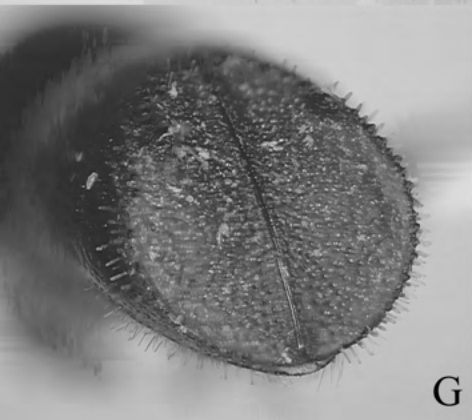
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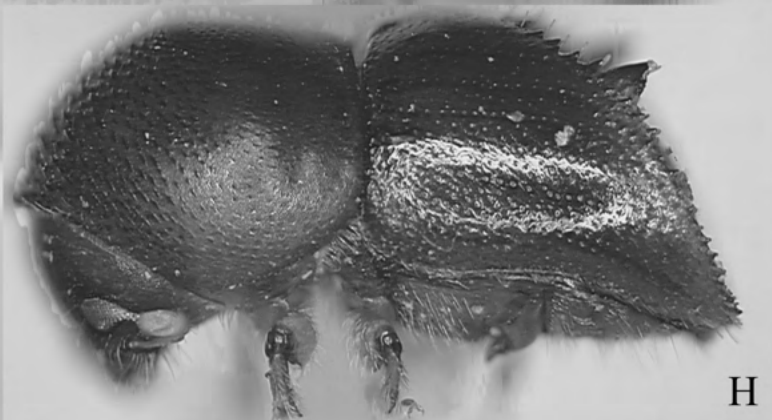
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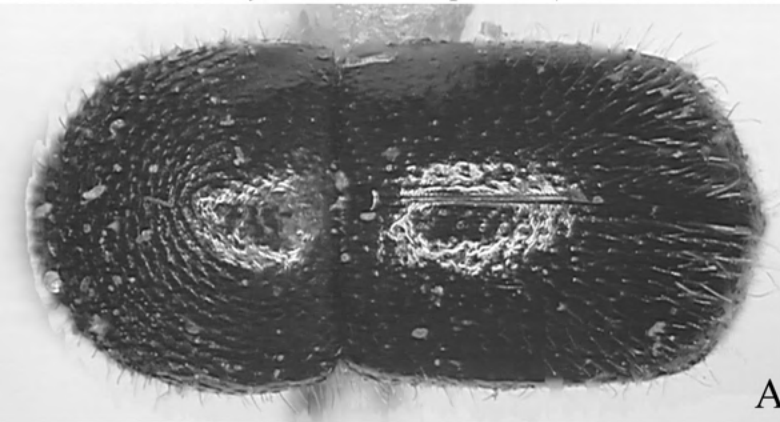
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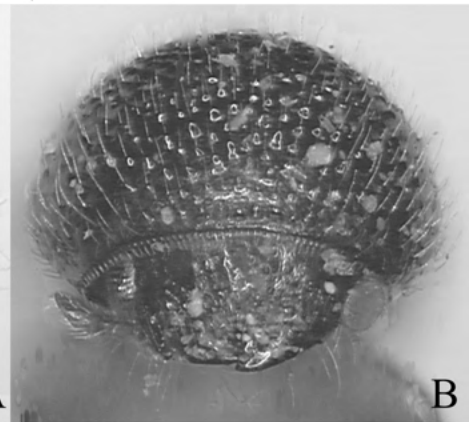
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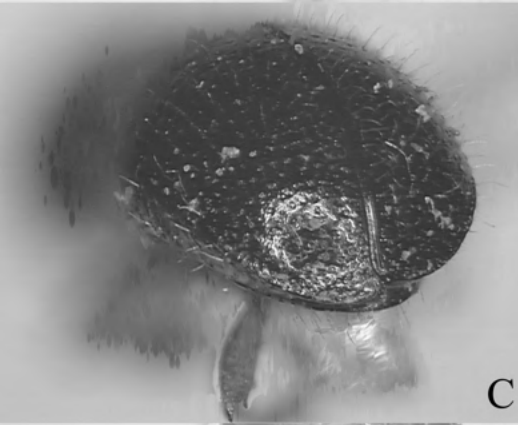
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A



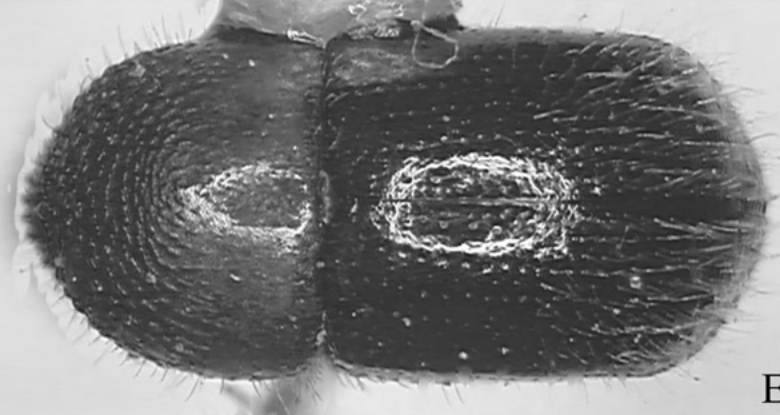
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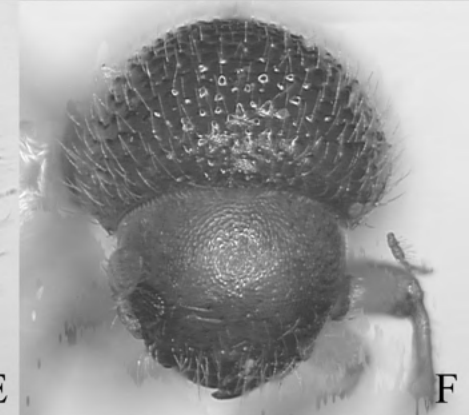
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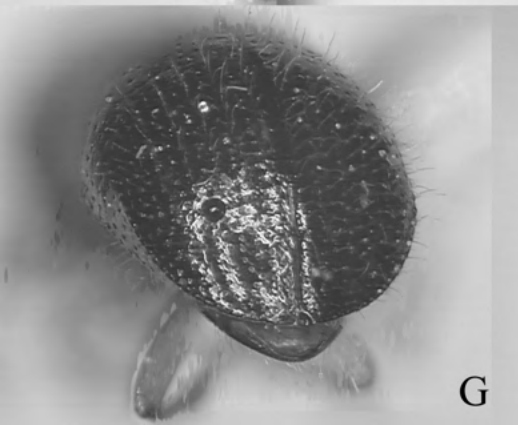
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E



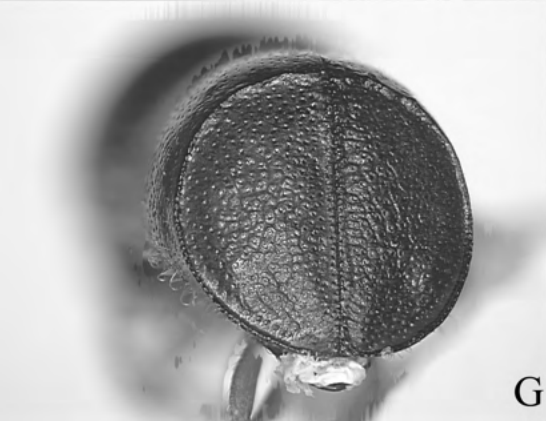
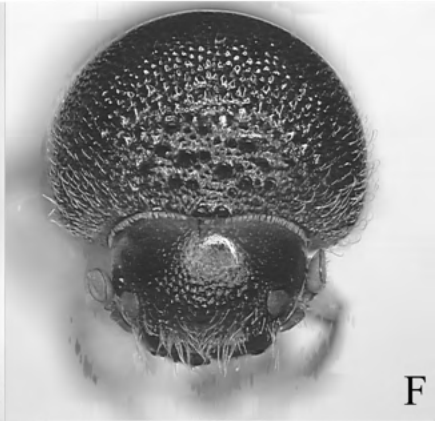
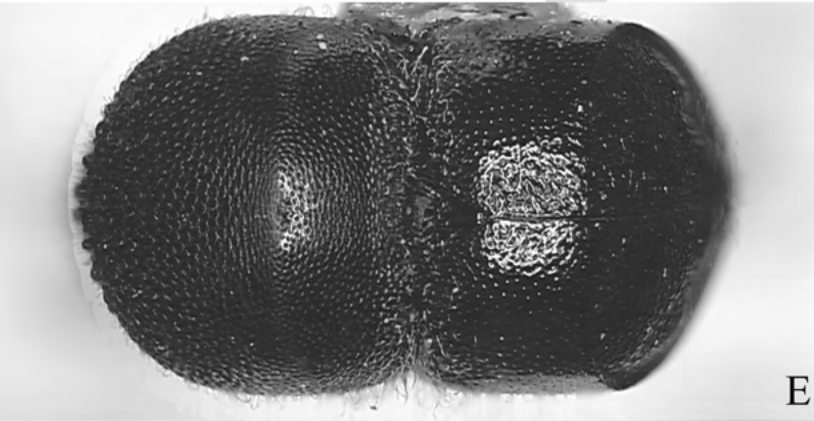
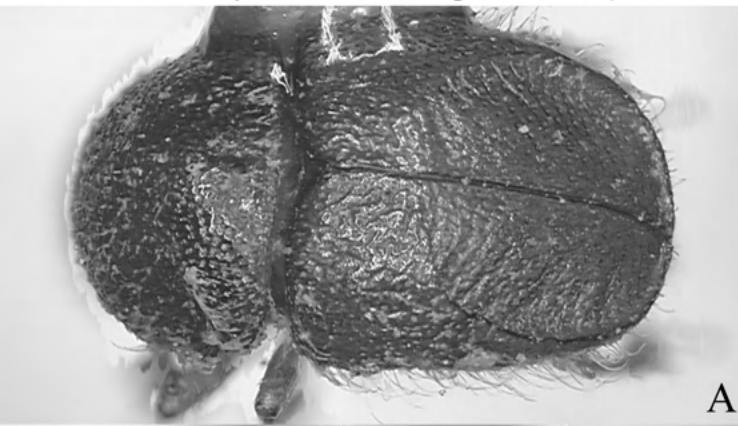
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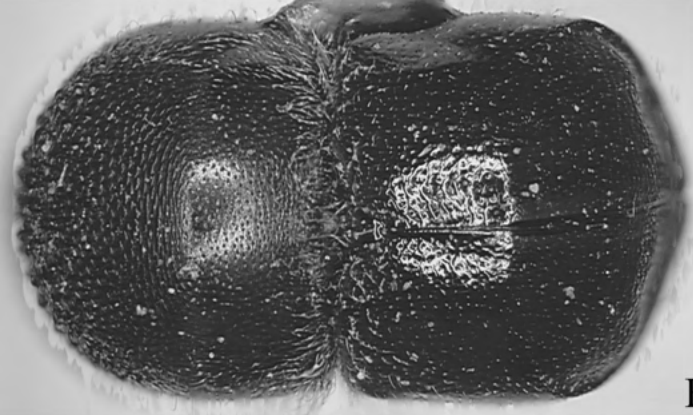
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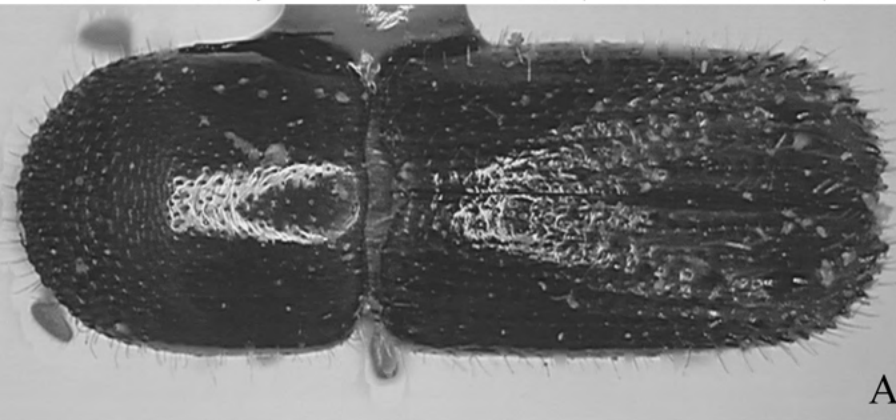
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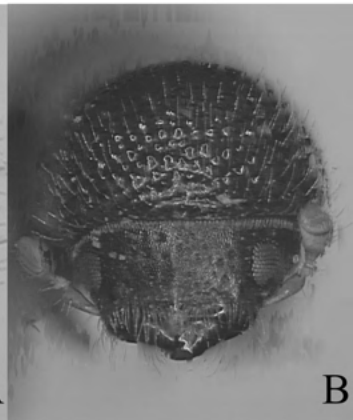
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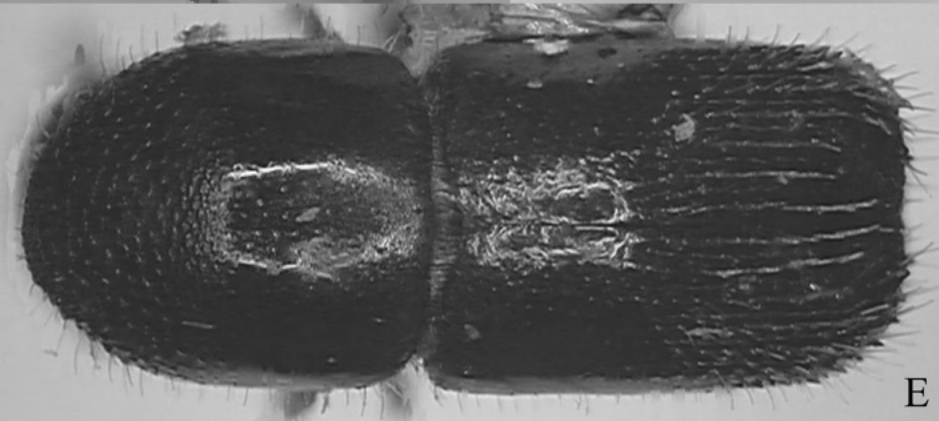
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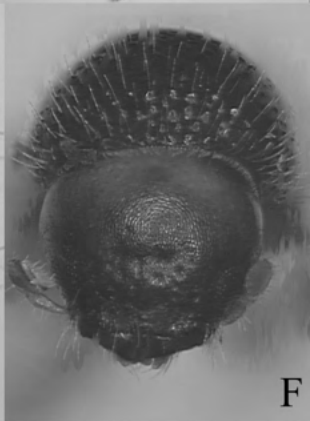
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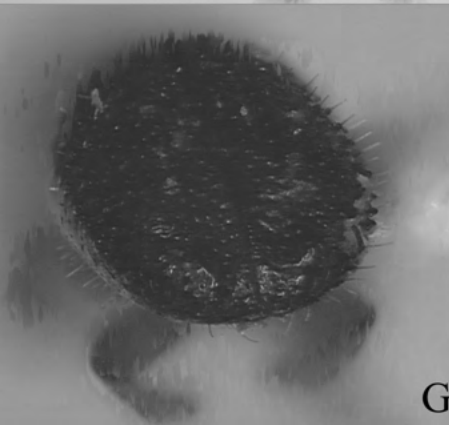
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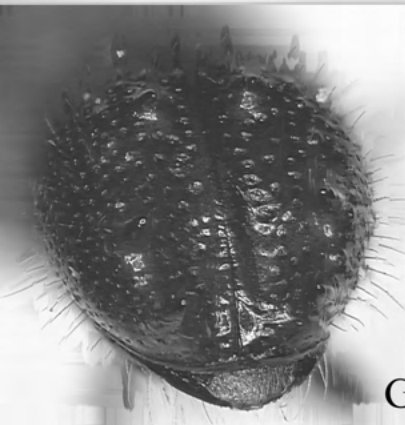
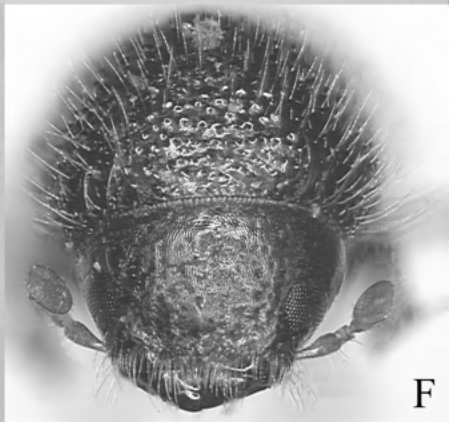
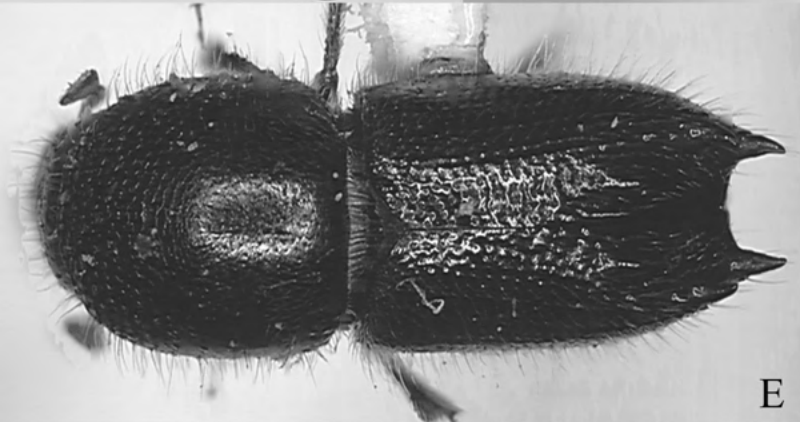
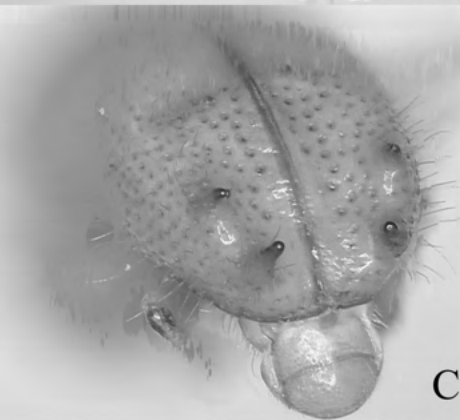
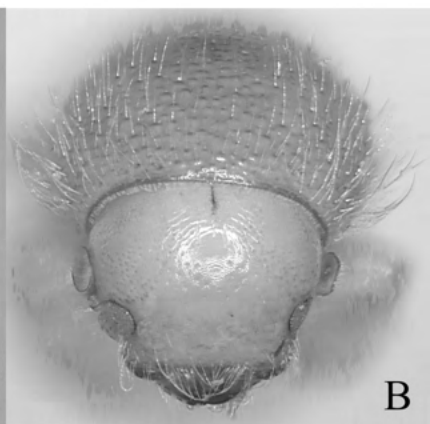
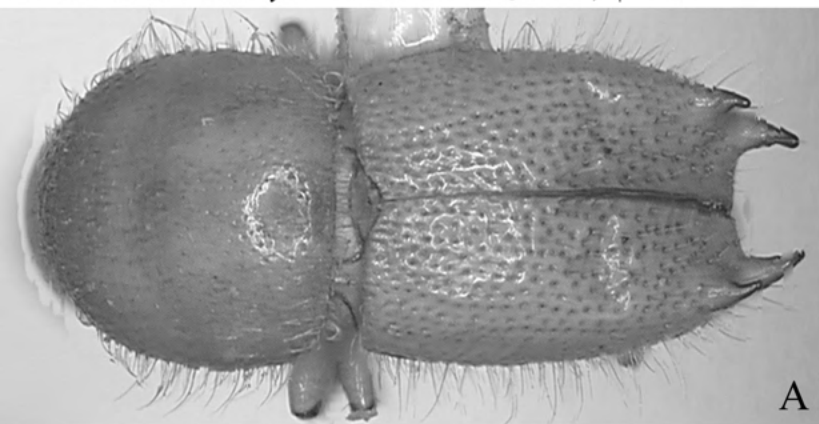
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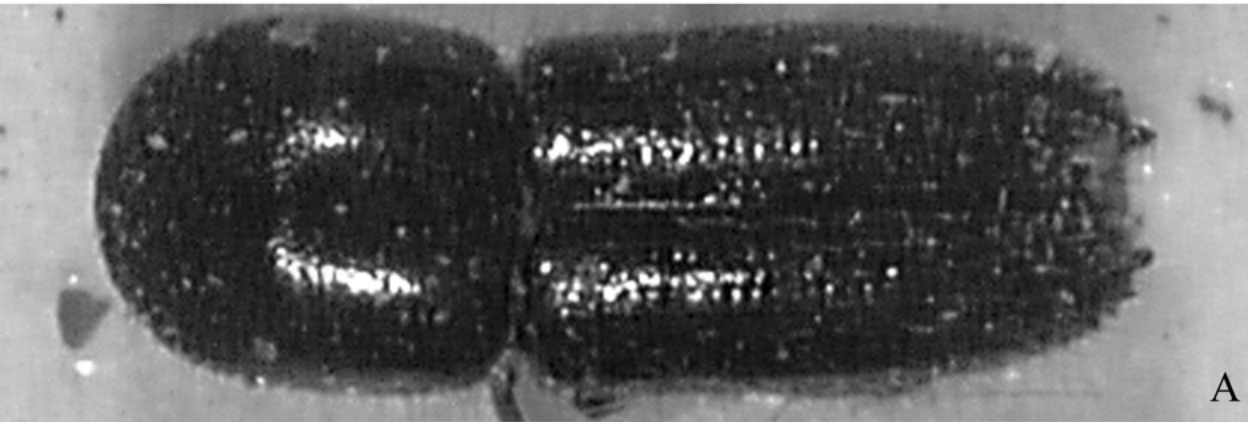


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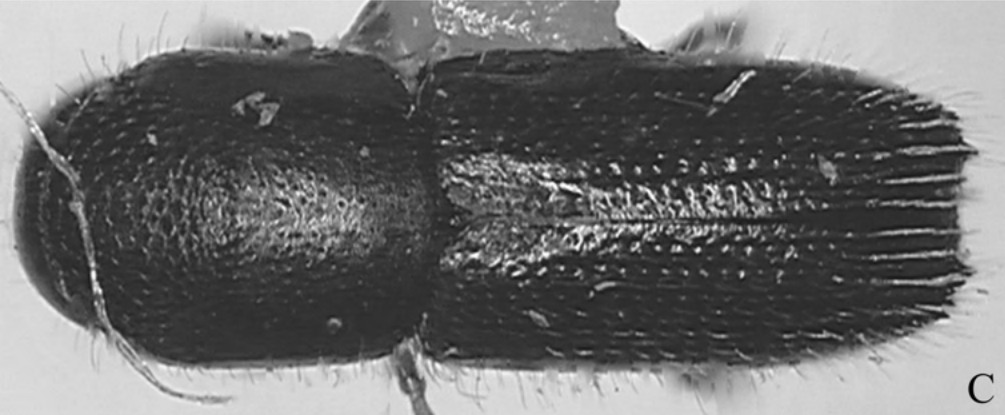




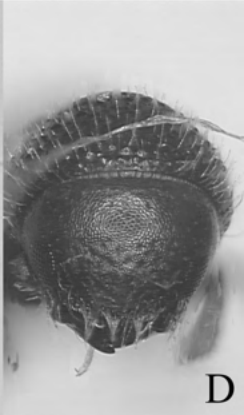
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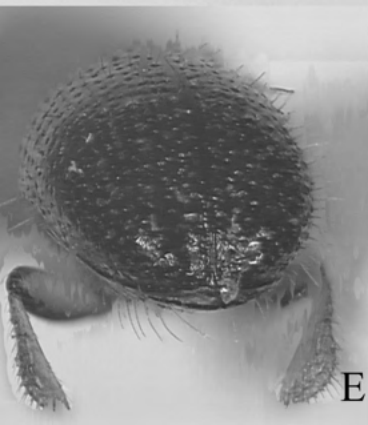
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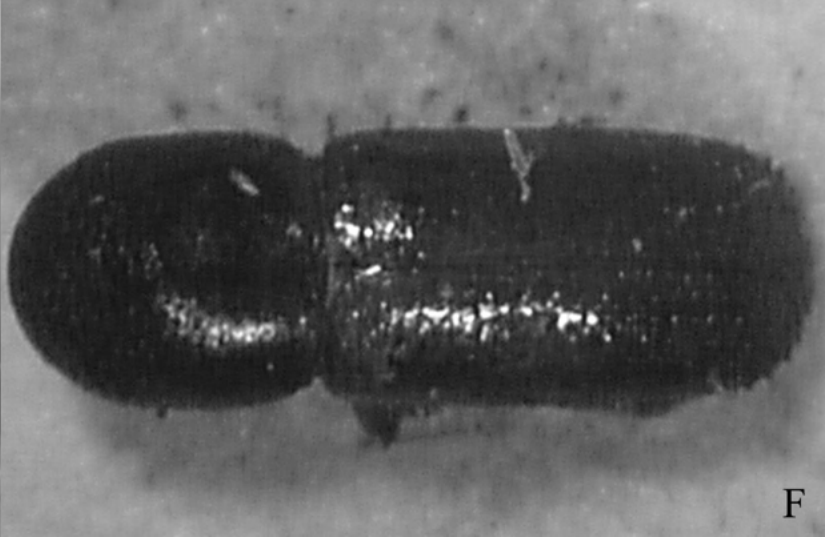
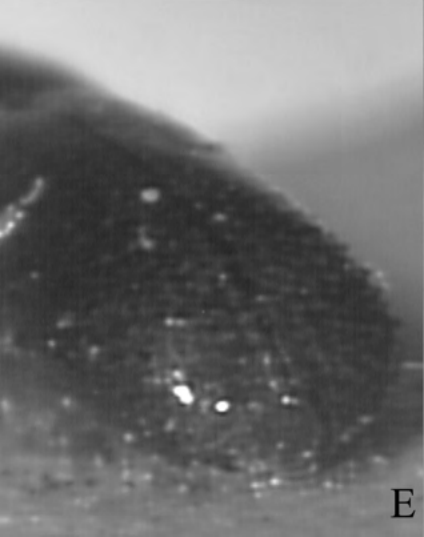
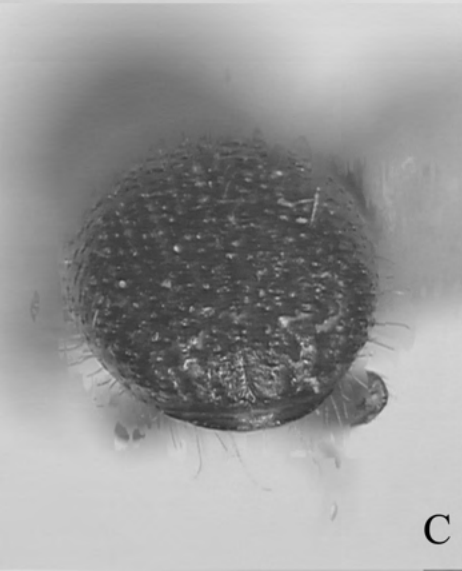
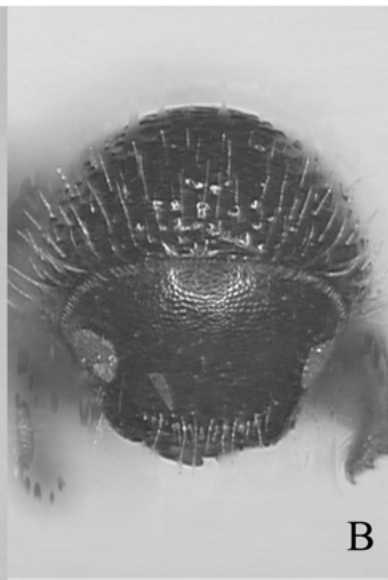
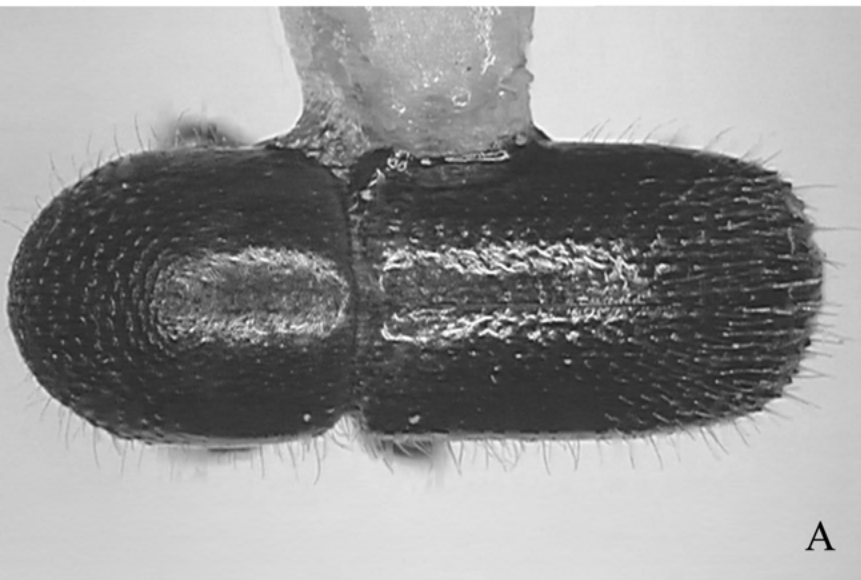
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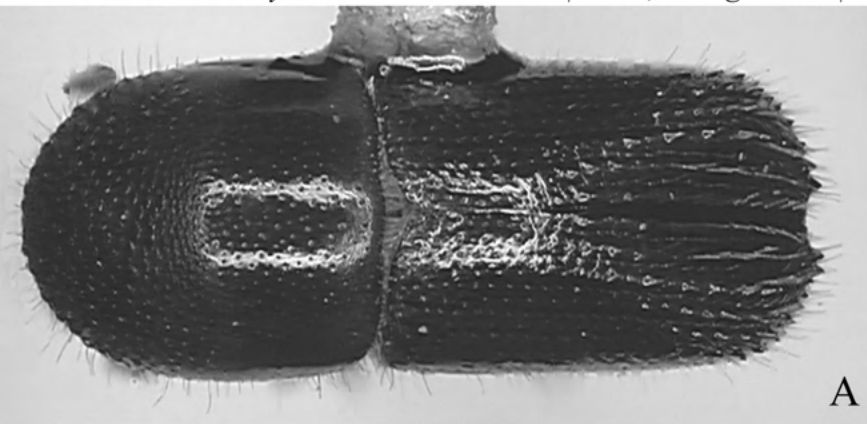


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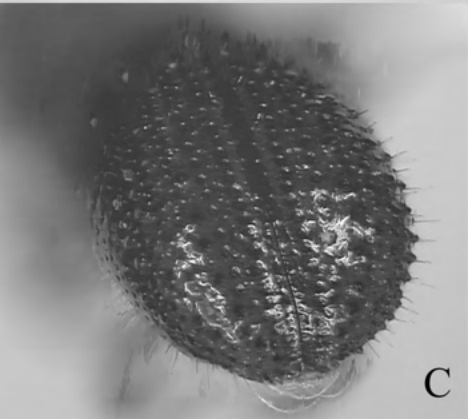




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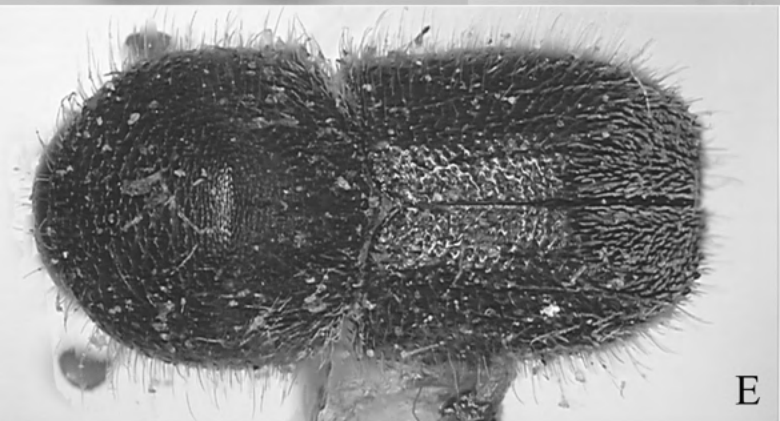
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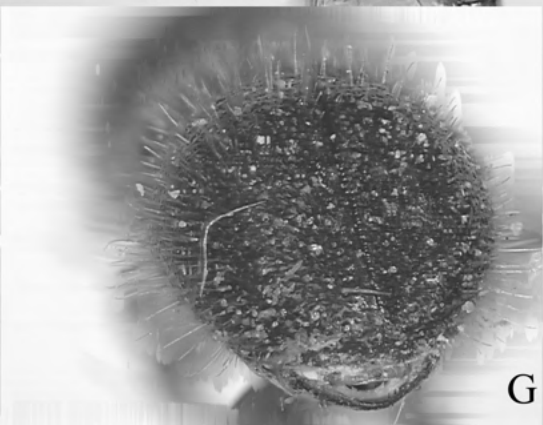
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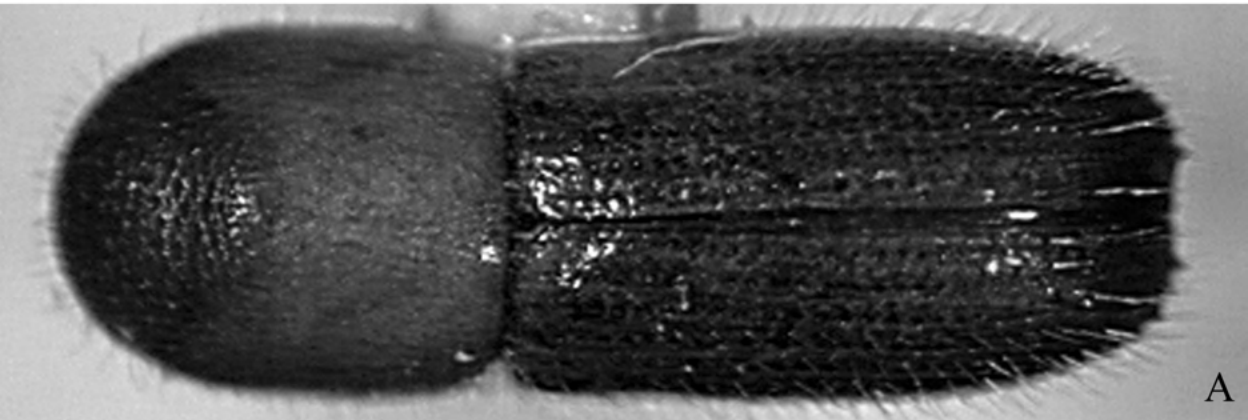
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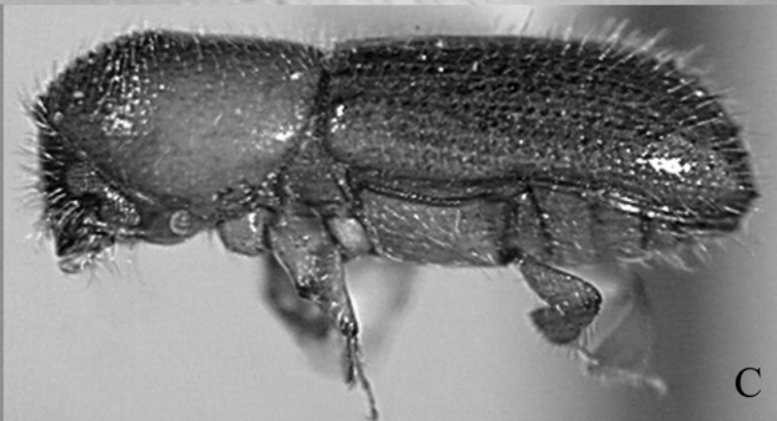
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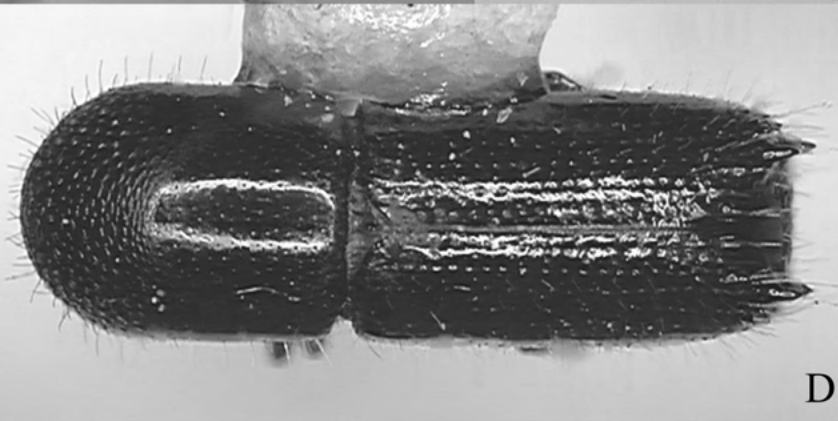
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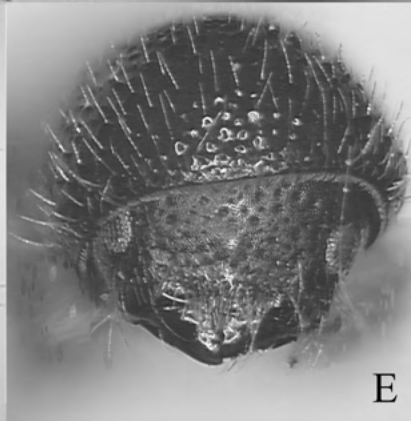
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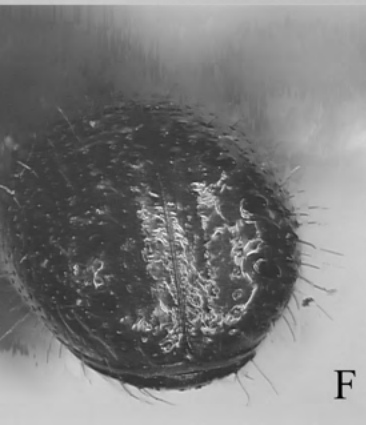
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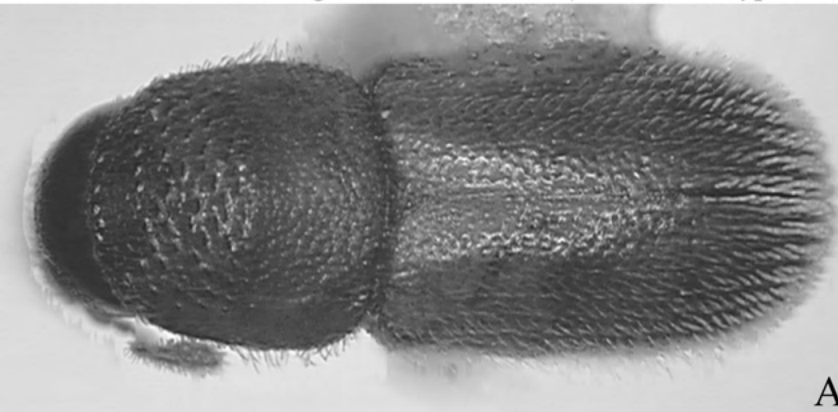
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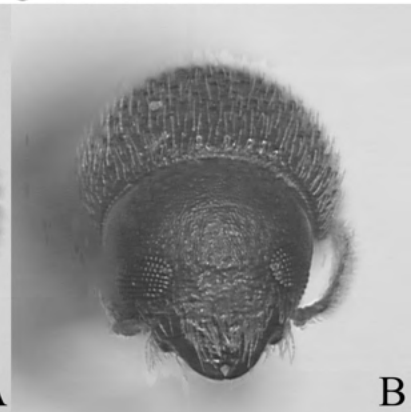
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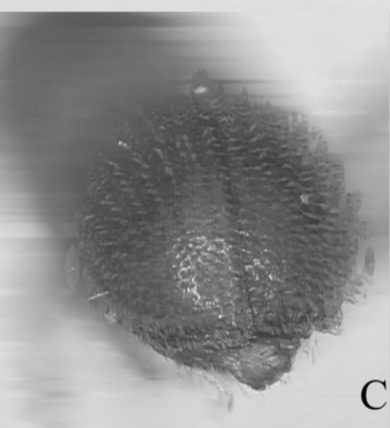
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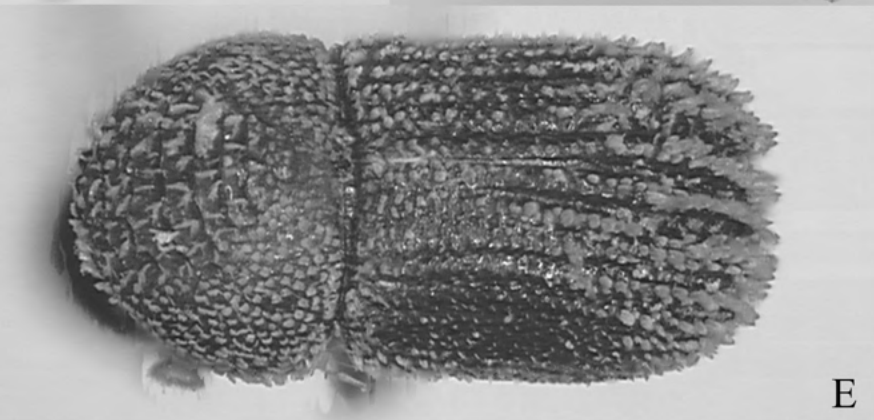
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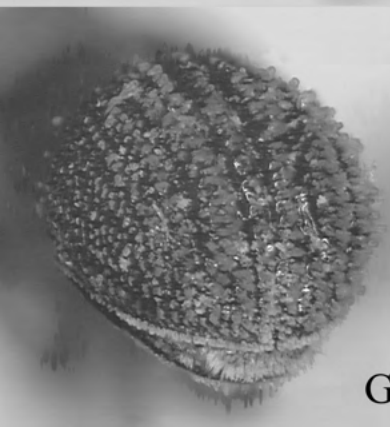
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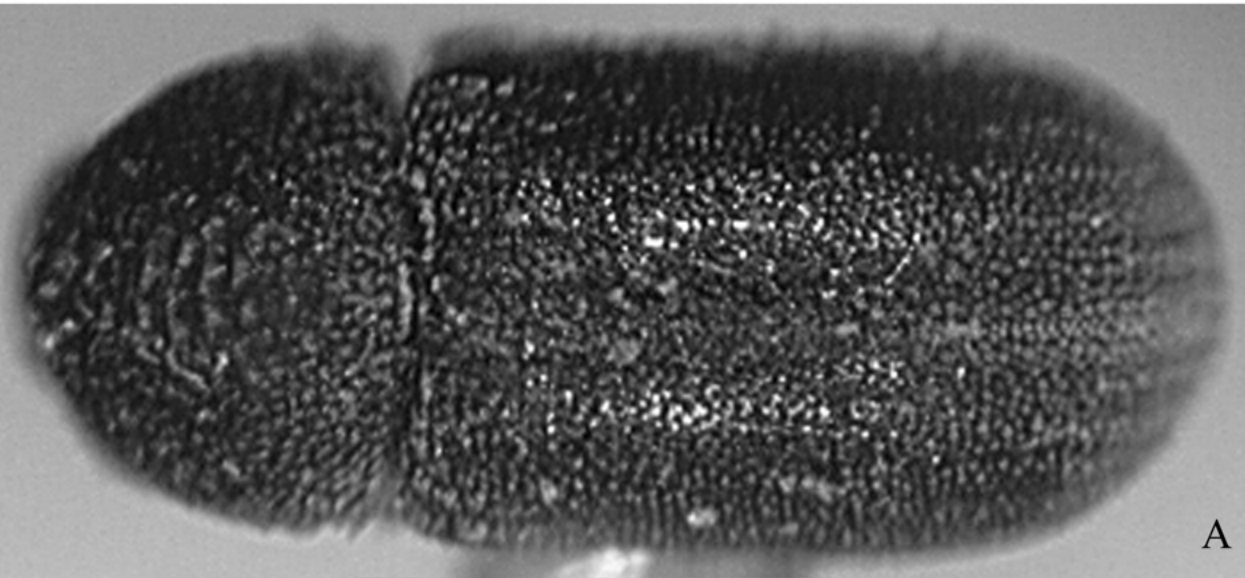
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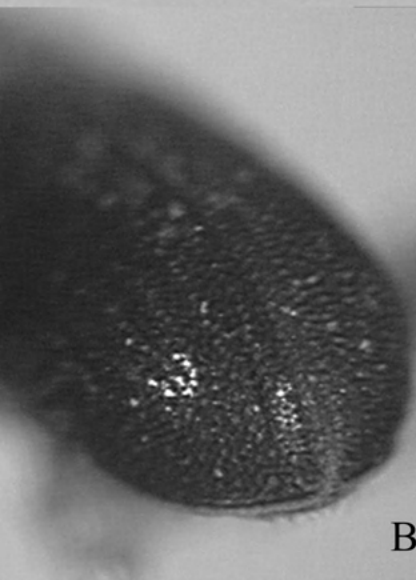
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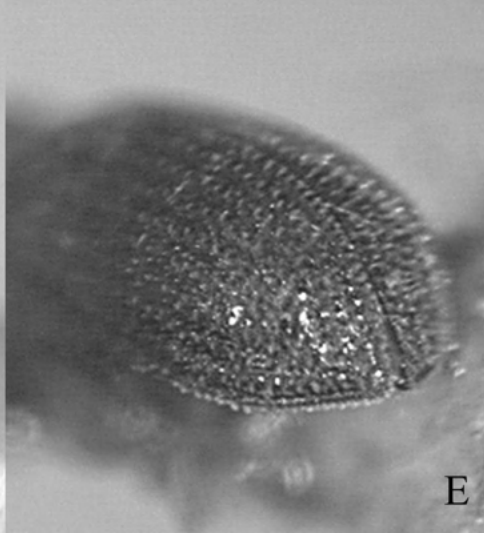
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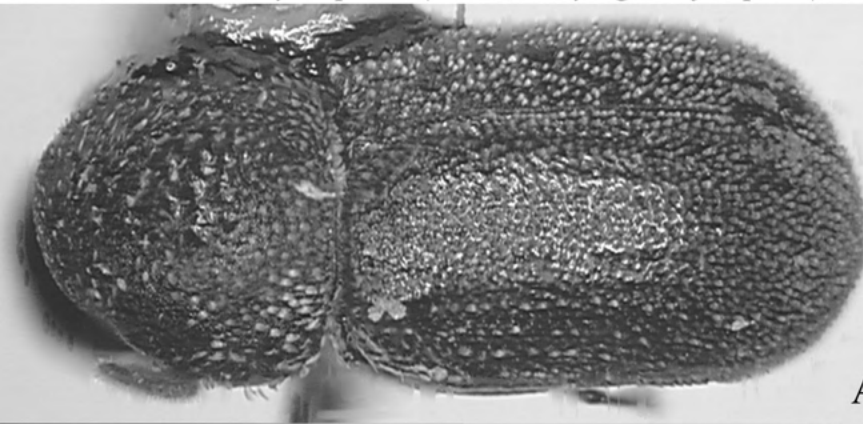
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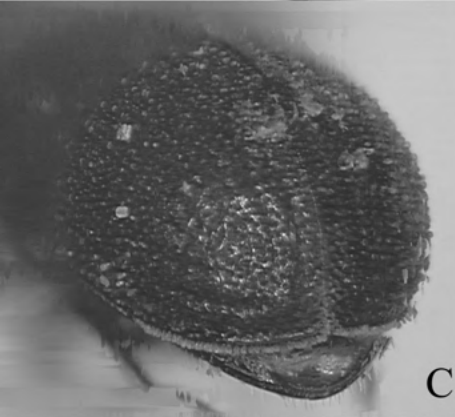
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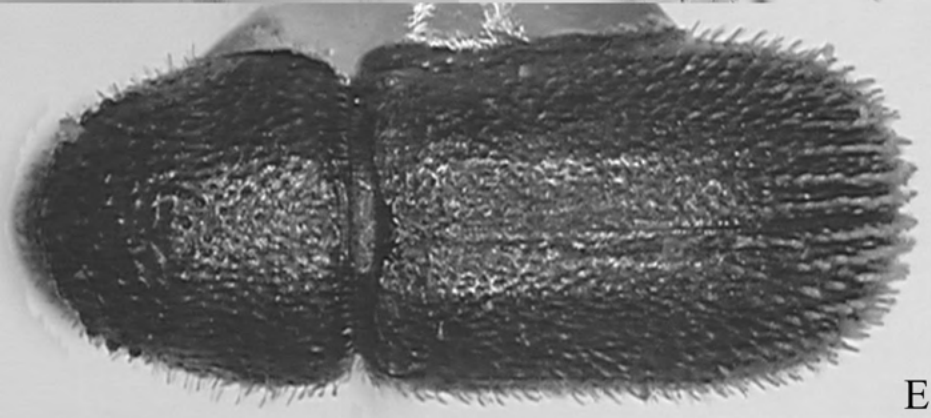
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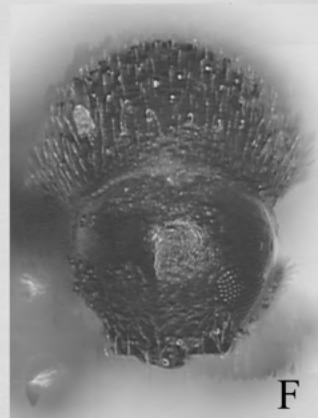
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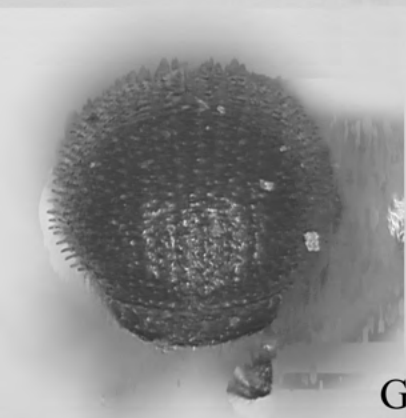
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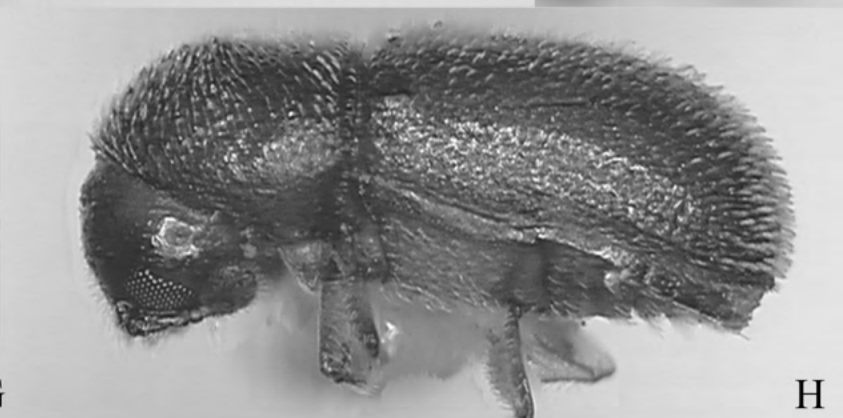
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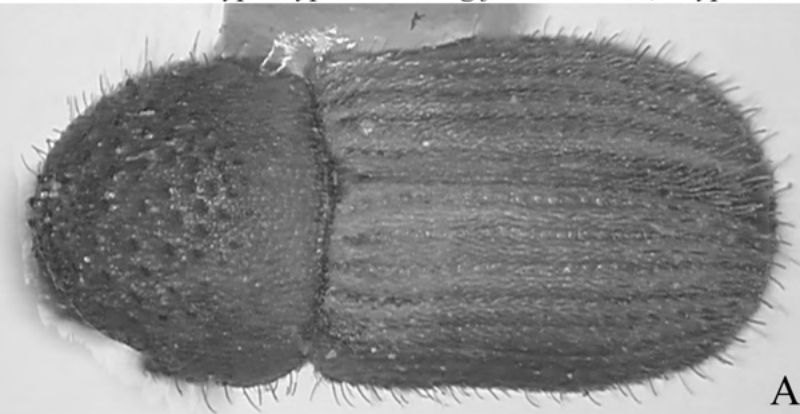
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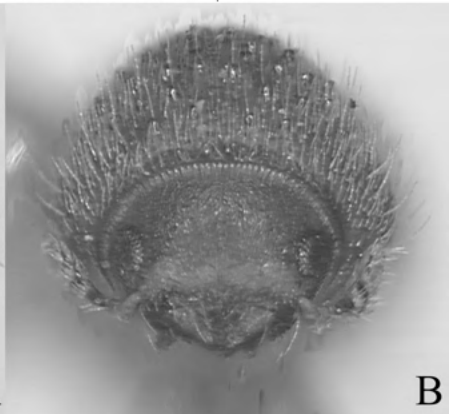
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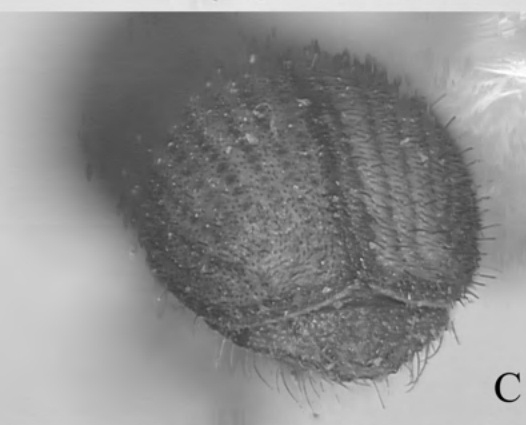
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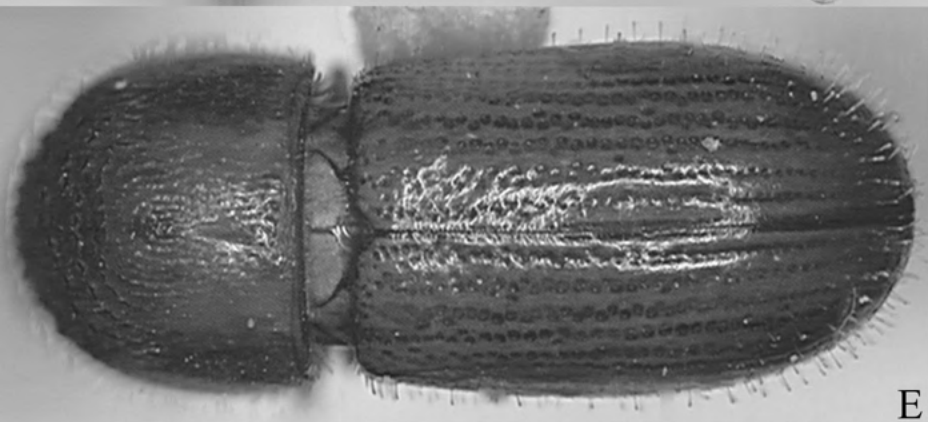
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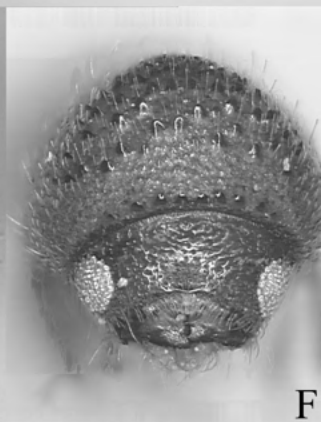
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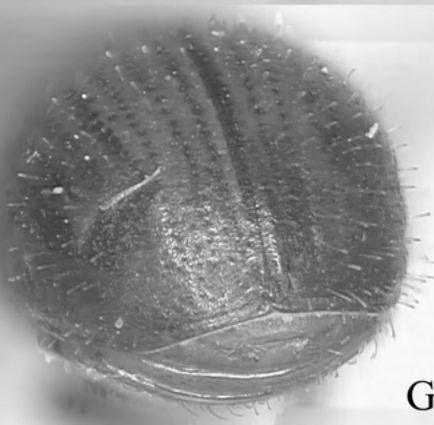
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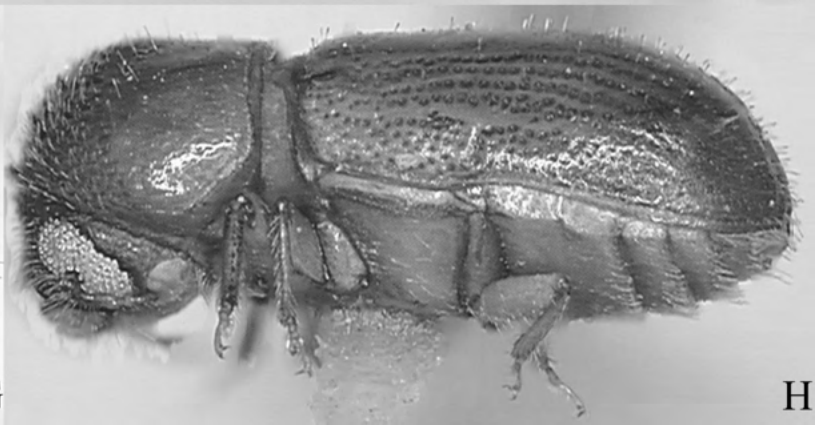
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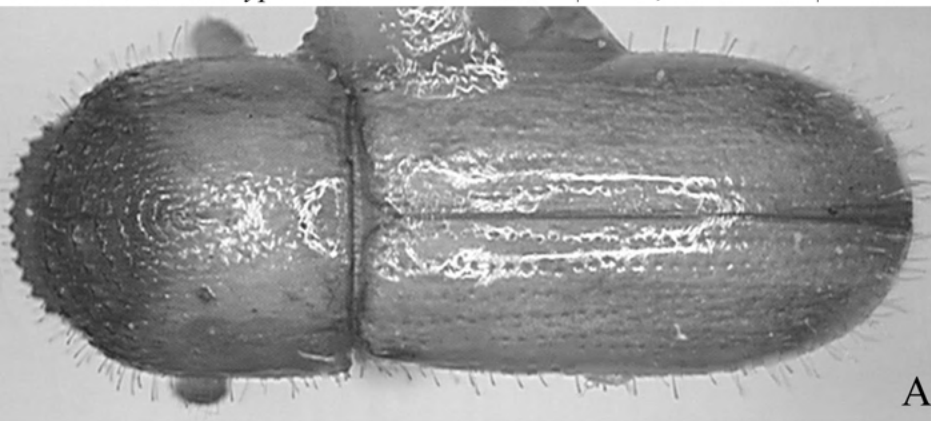
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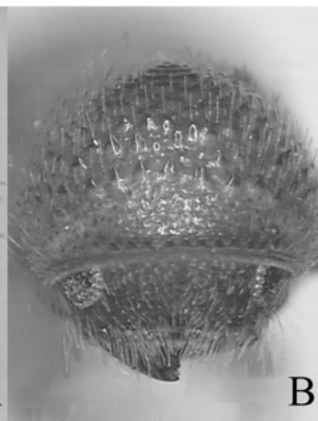
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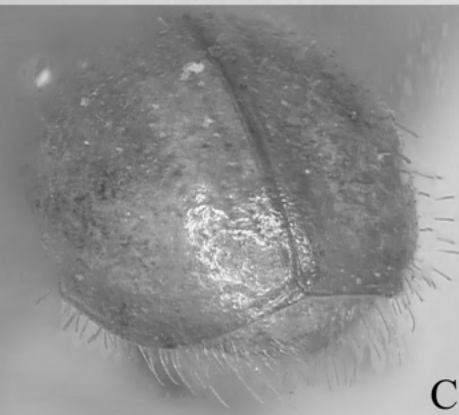
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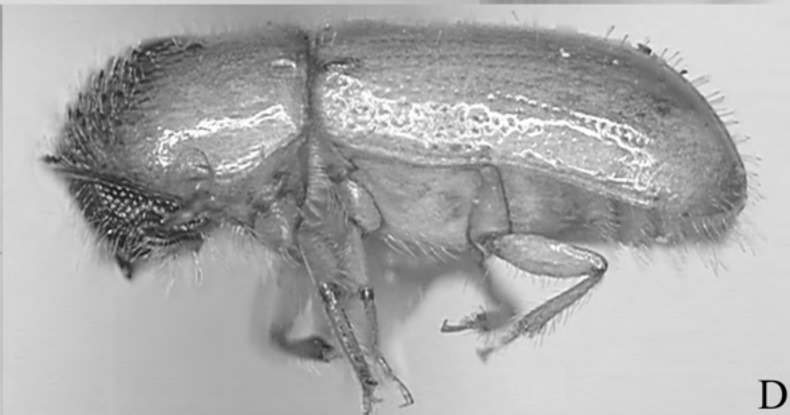
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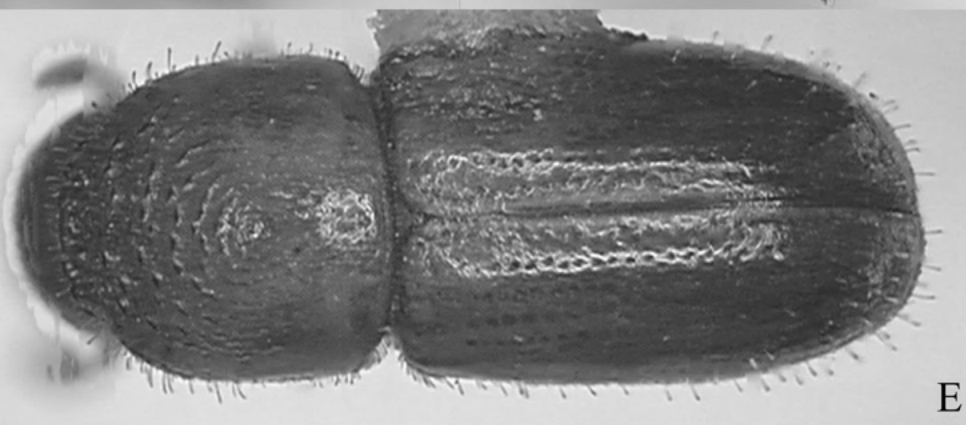
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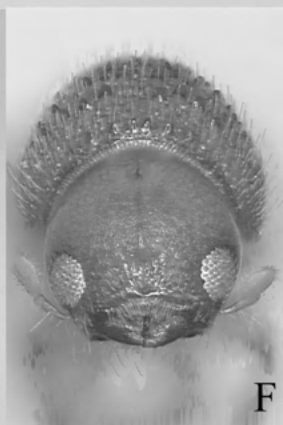
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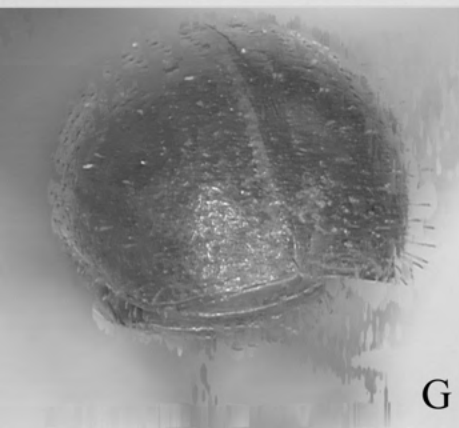
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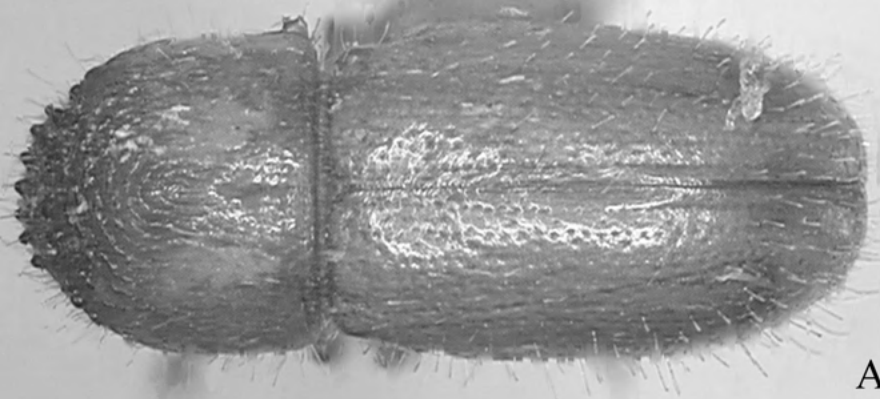
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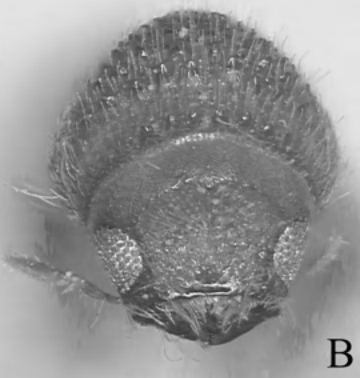
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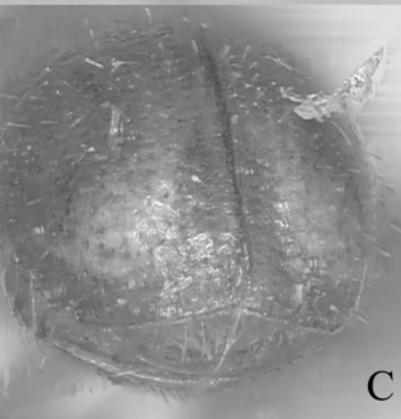
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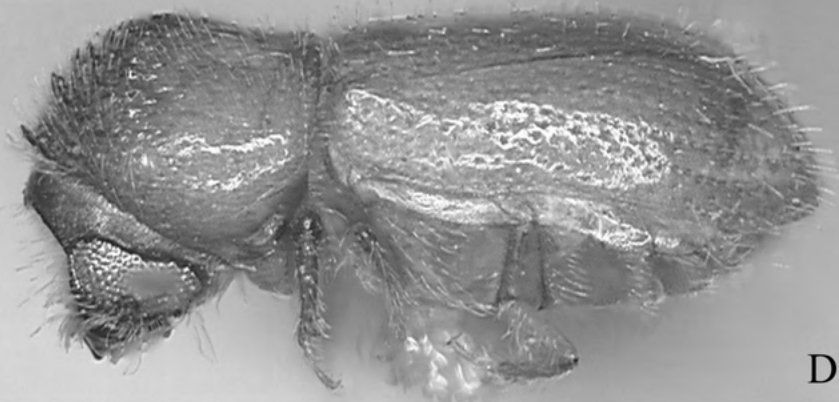
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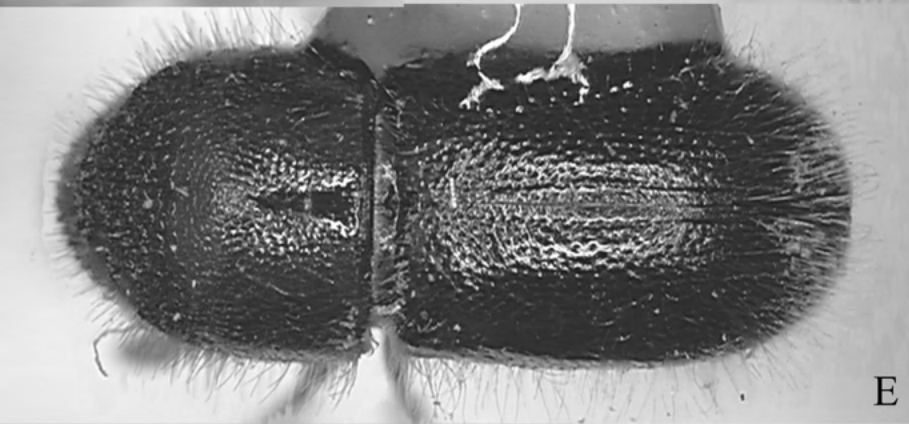
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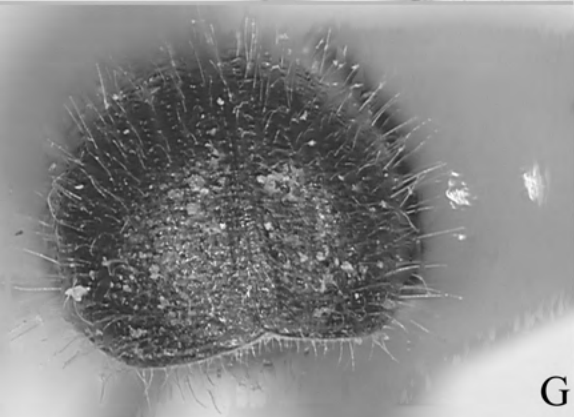
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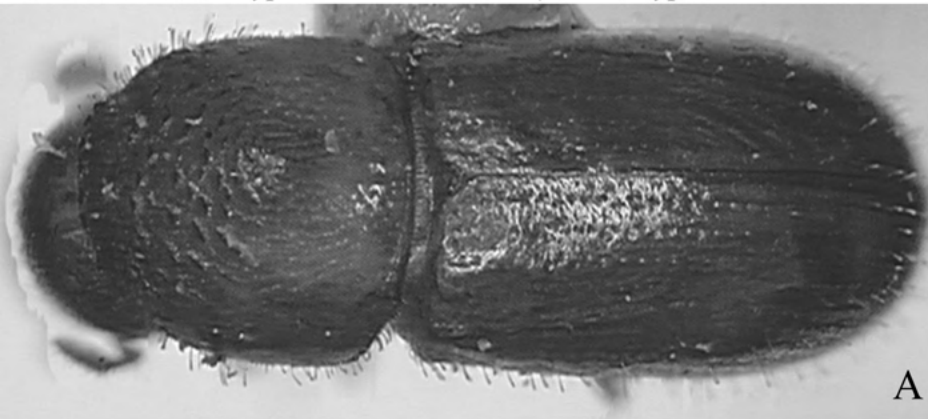
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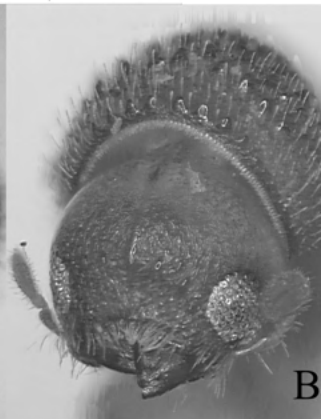
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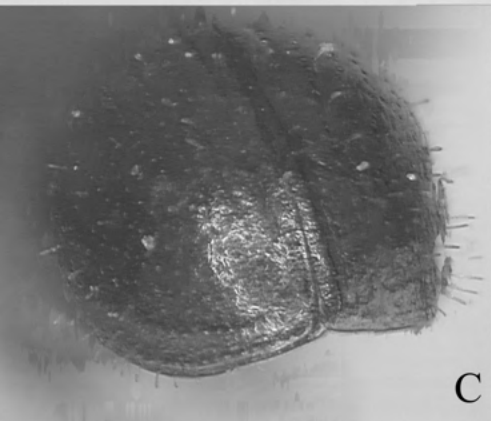
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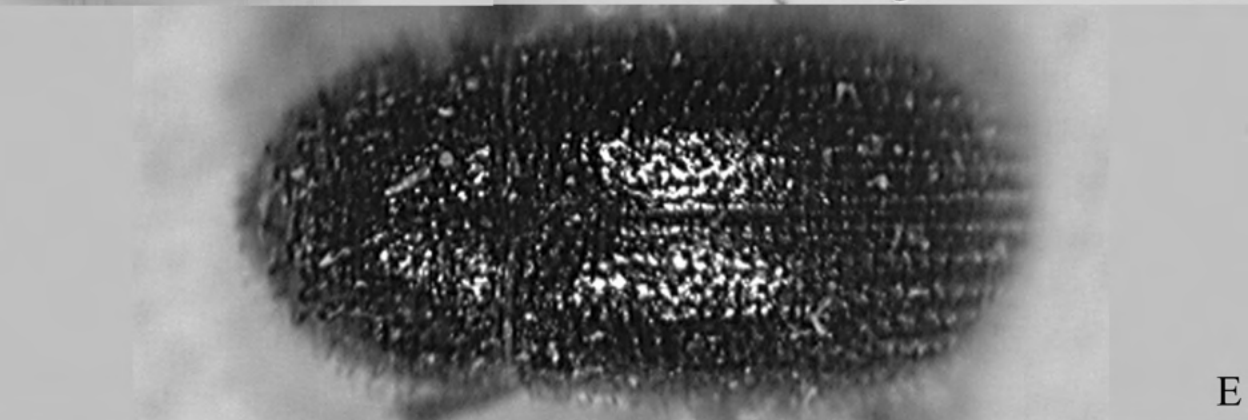
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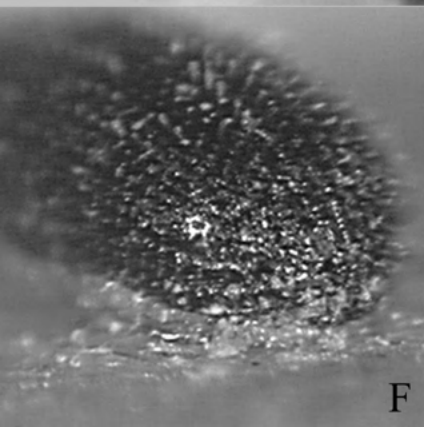
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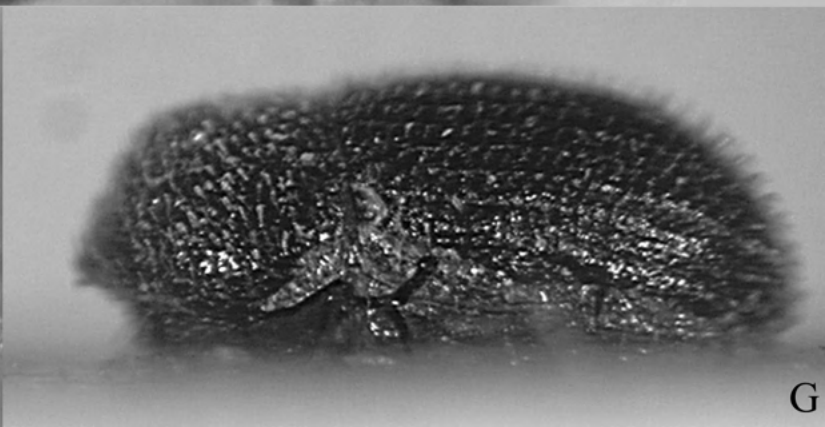
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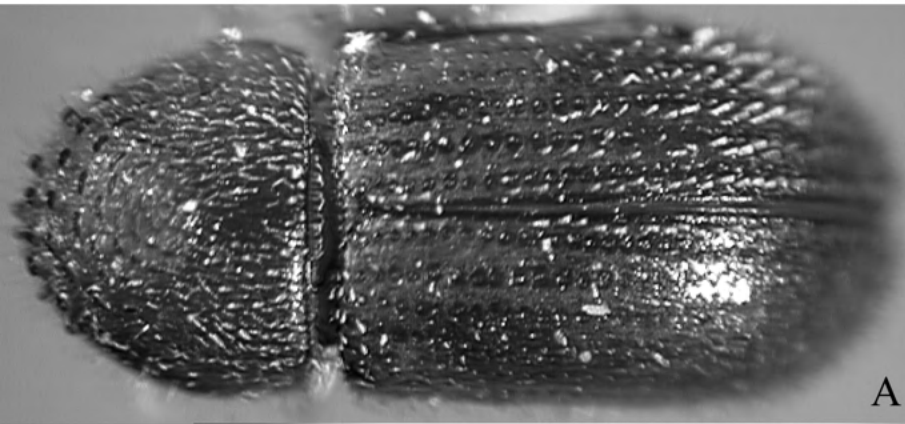
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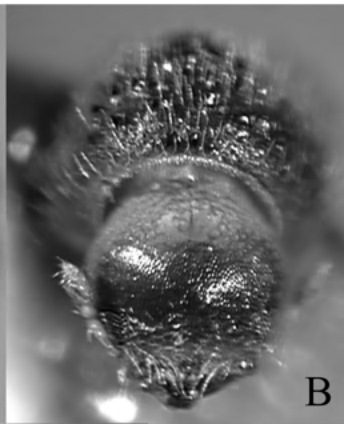
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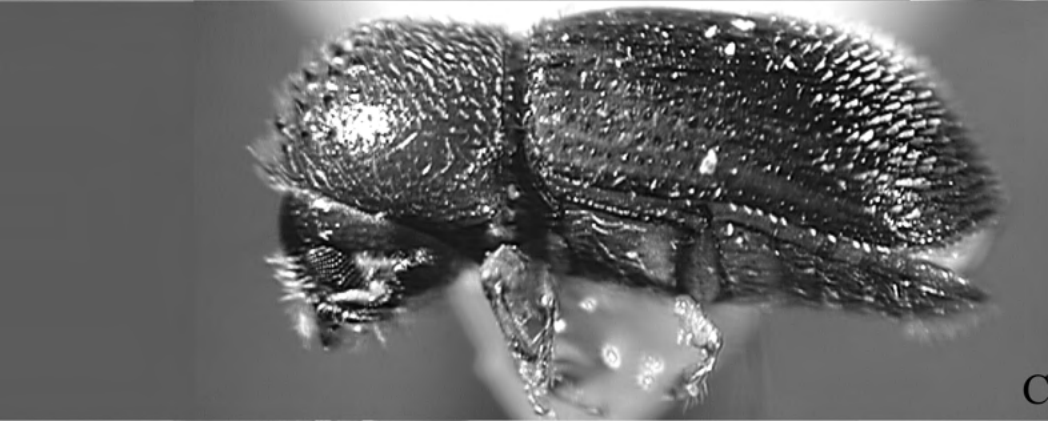
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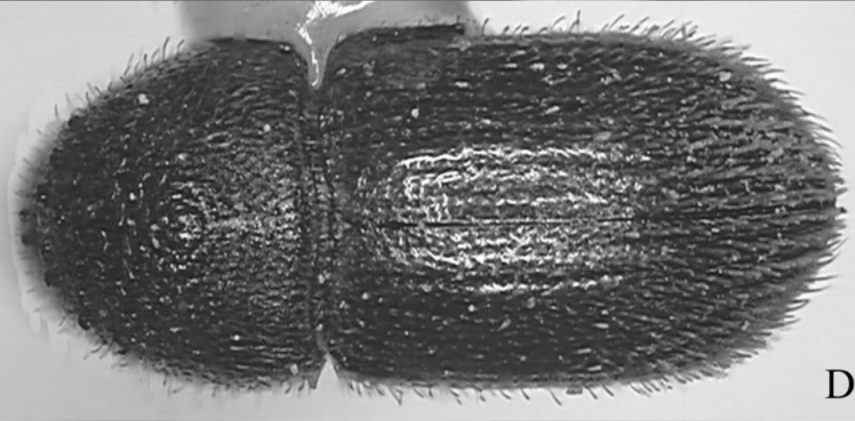
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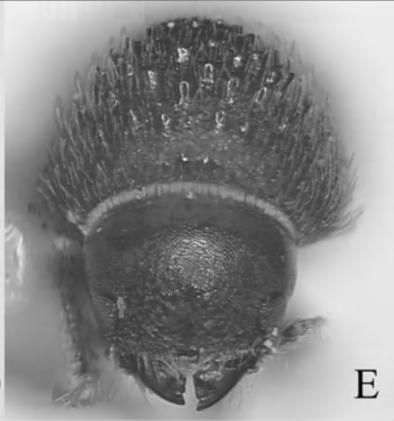
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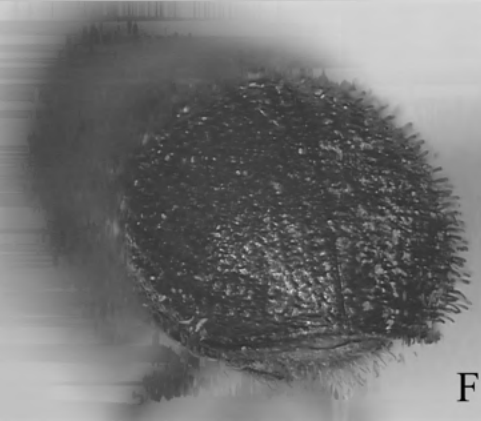
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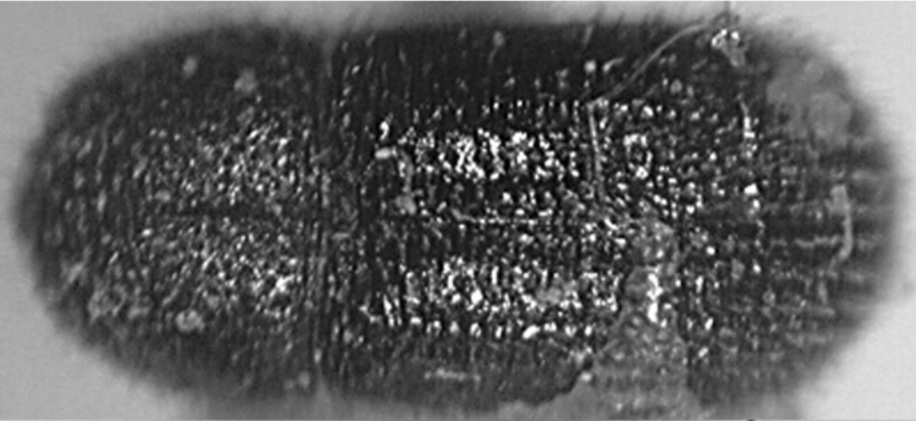
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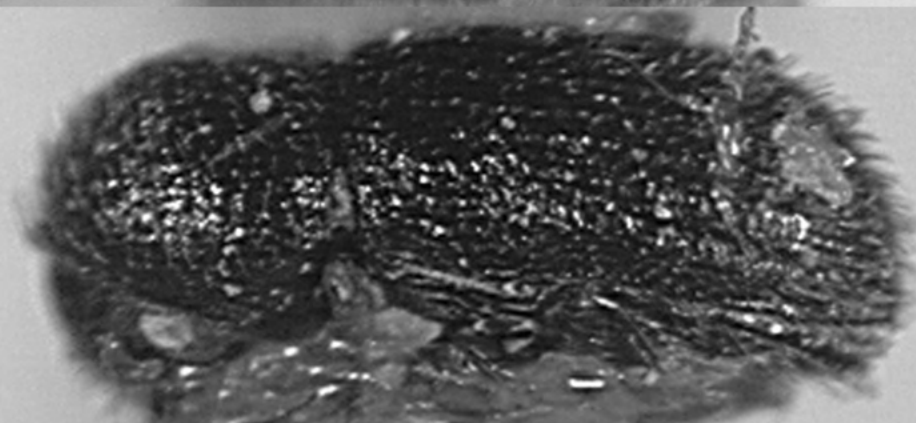
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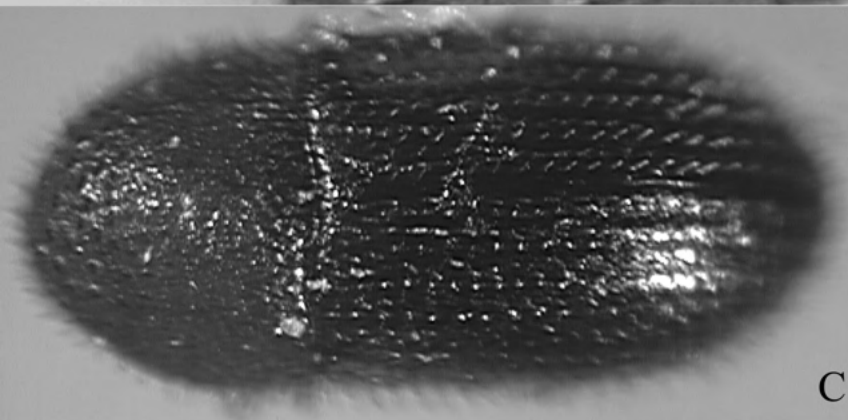
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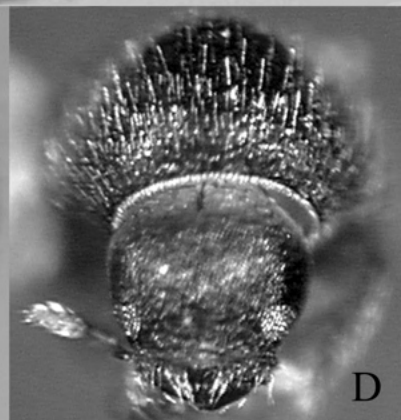
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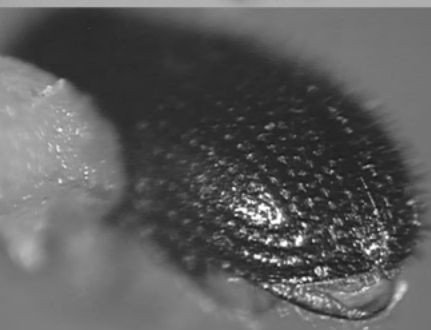
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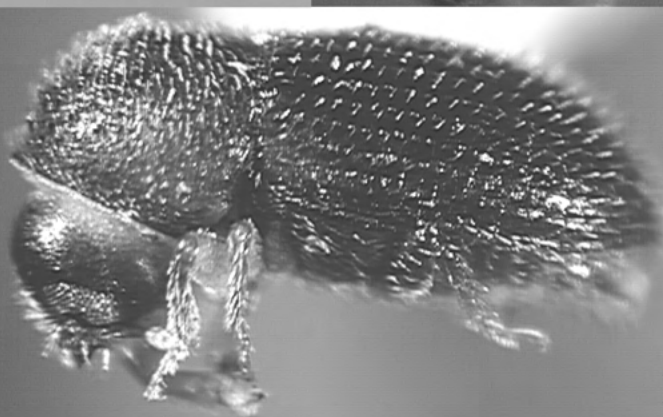
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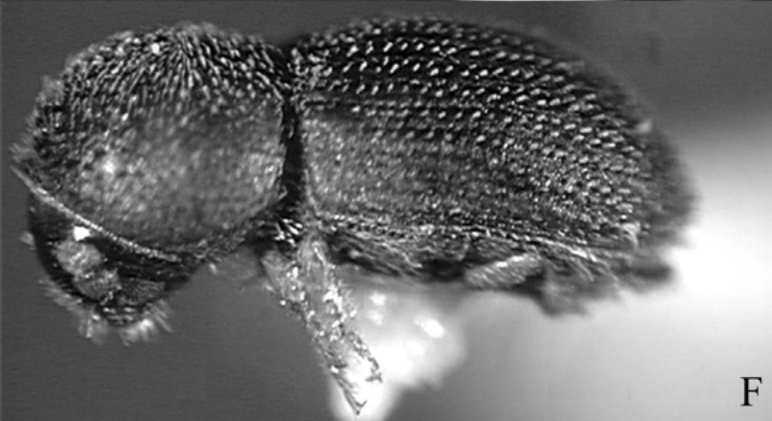
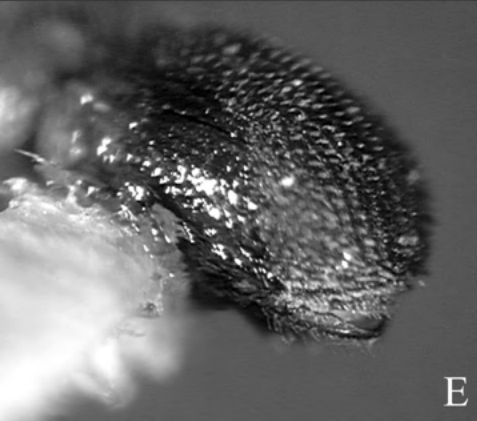
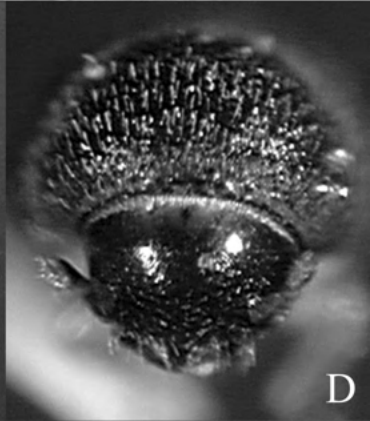
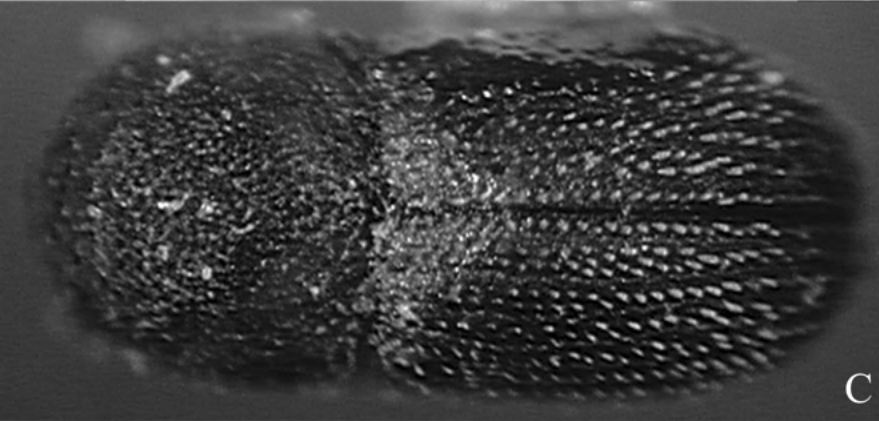
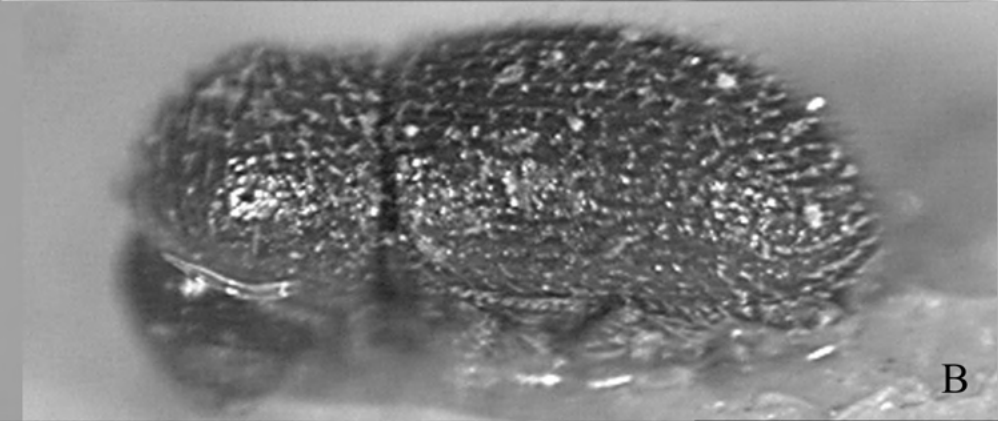
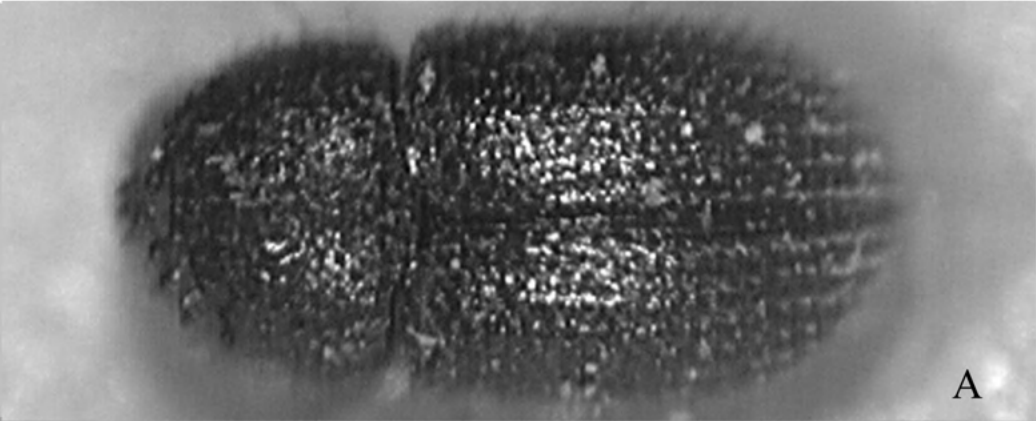
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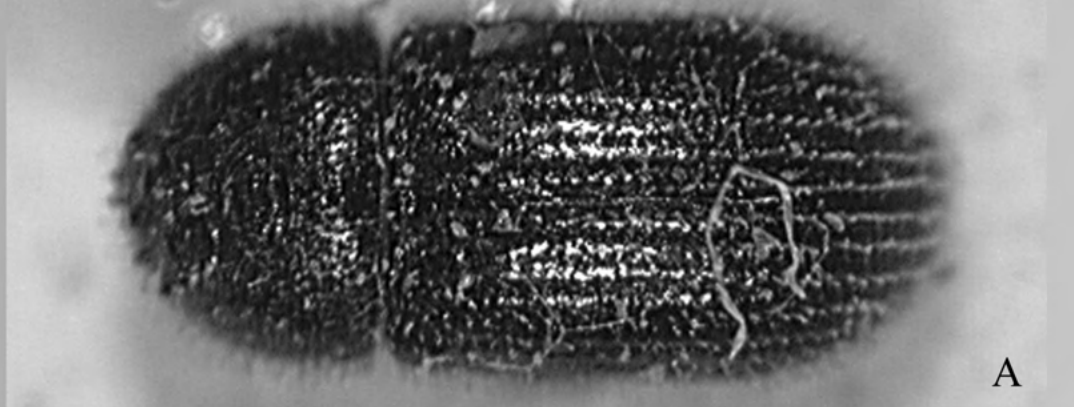


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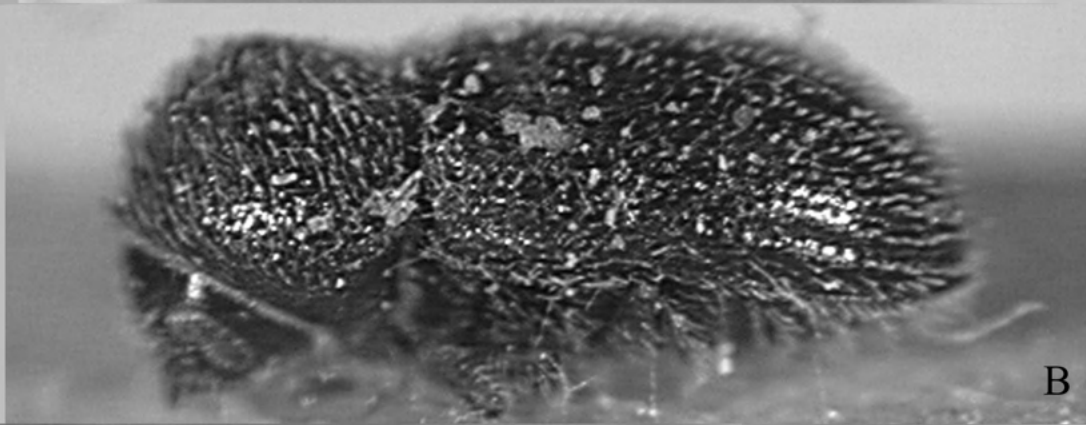


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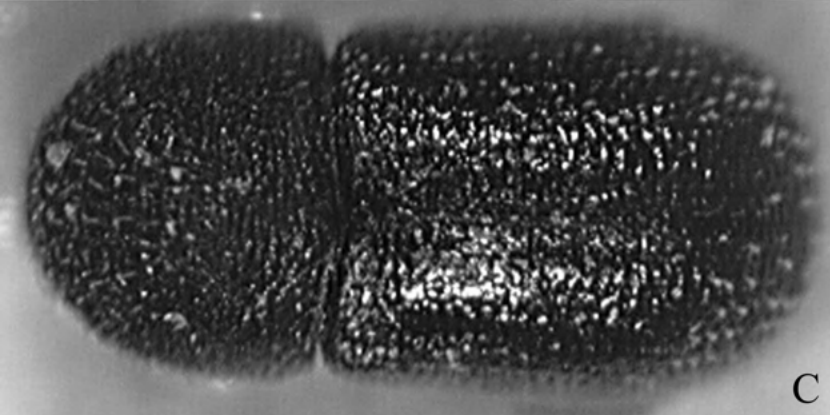




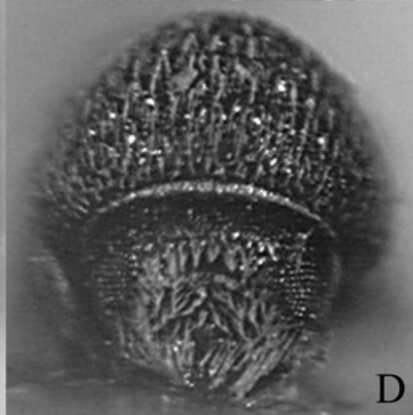
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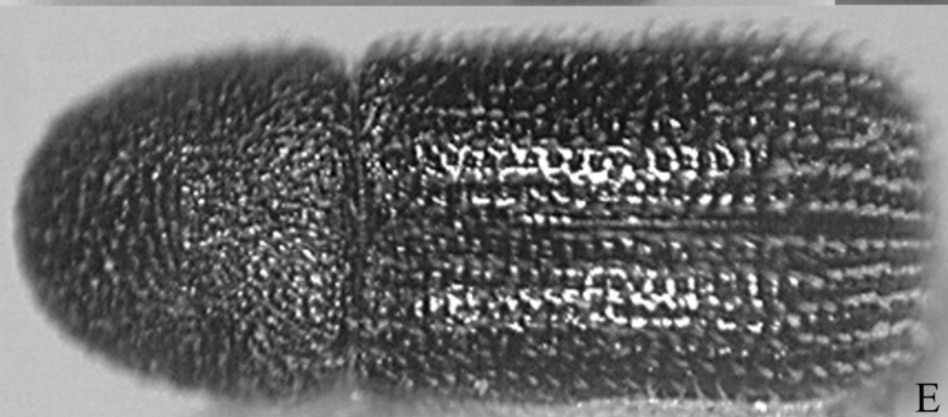
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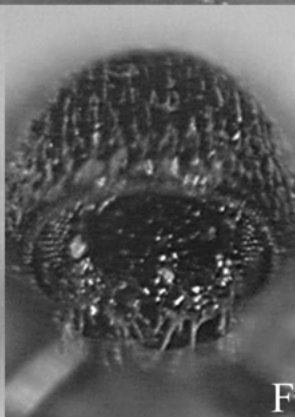
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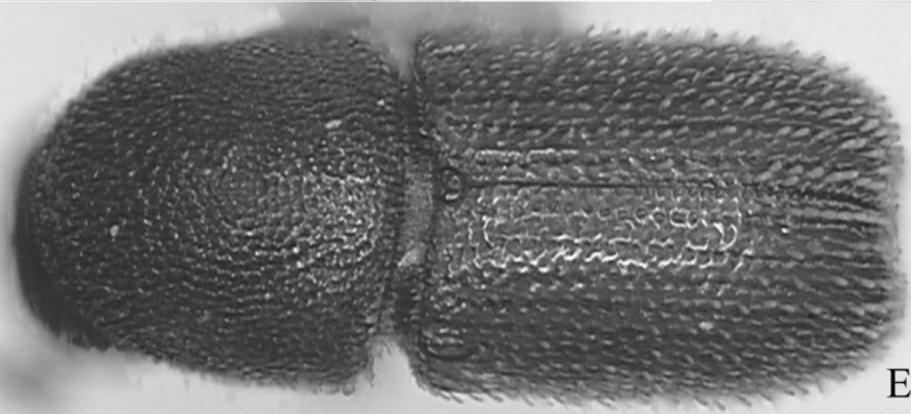
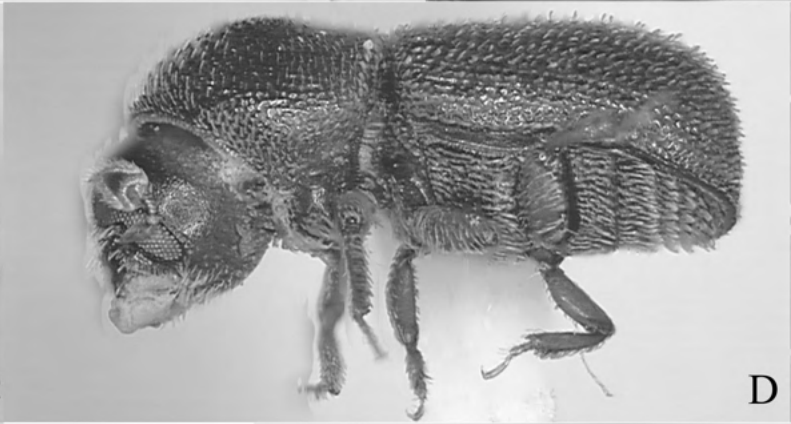
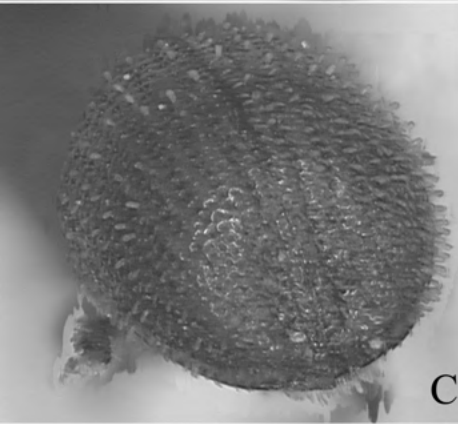
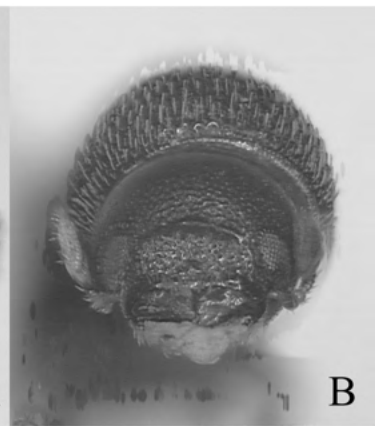
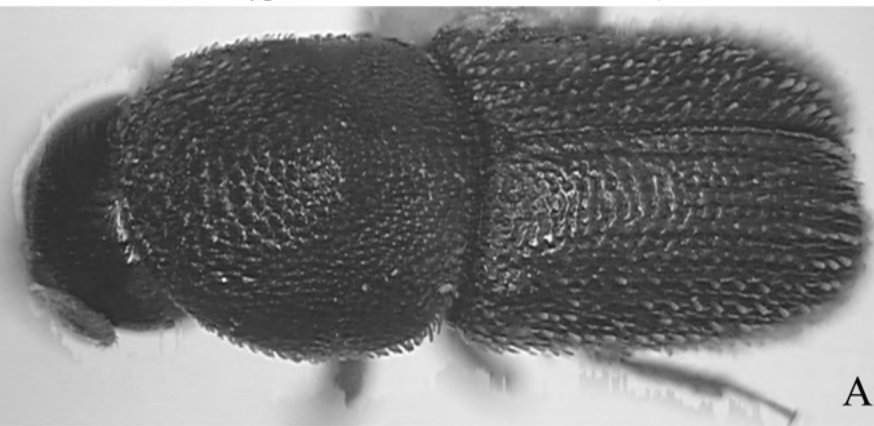
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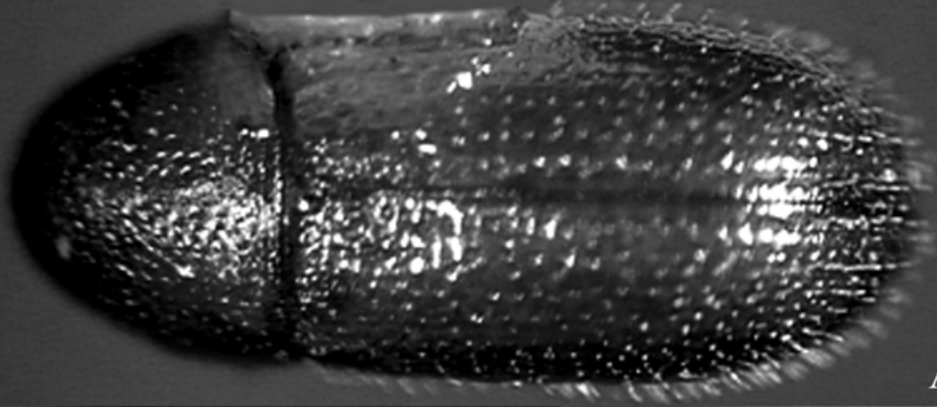


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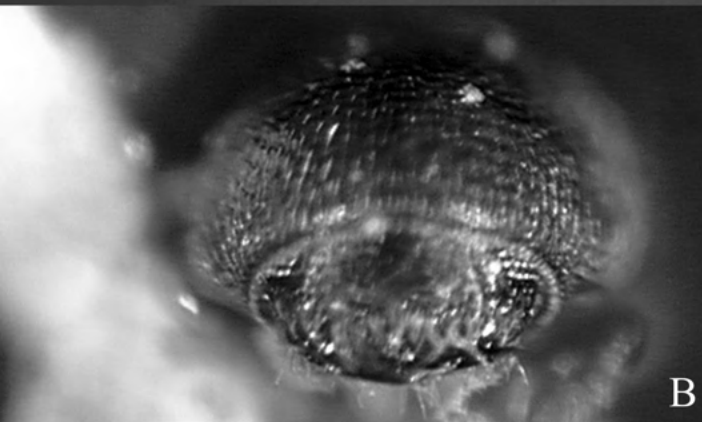


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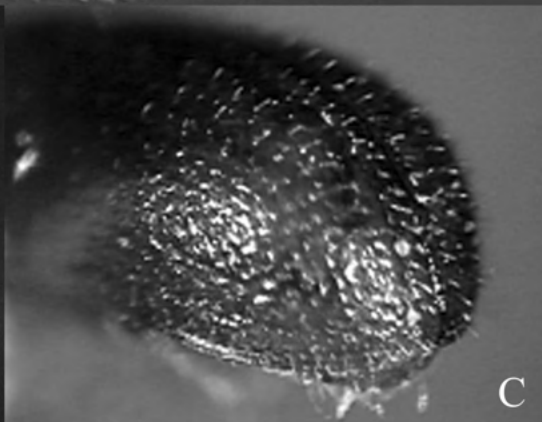




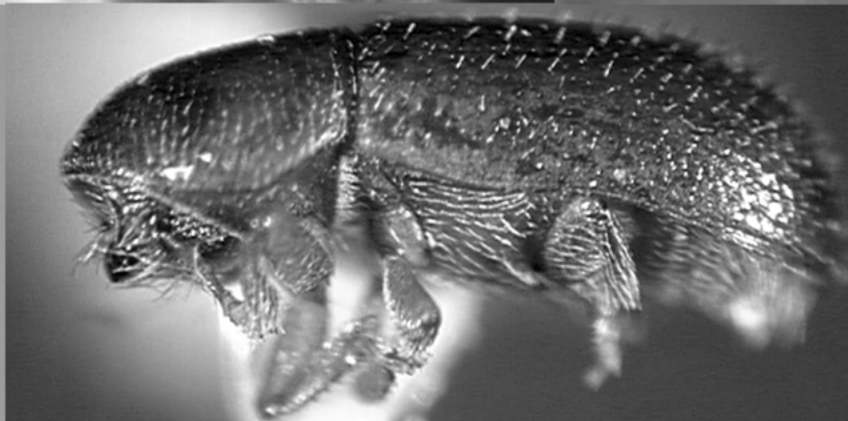
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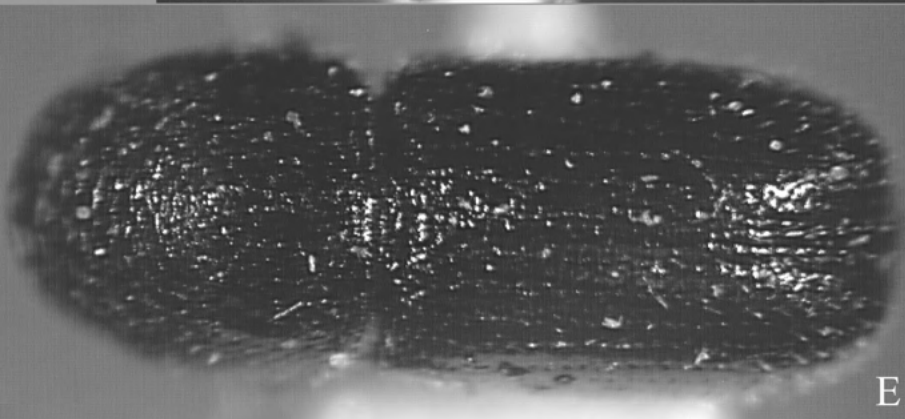
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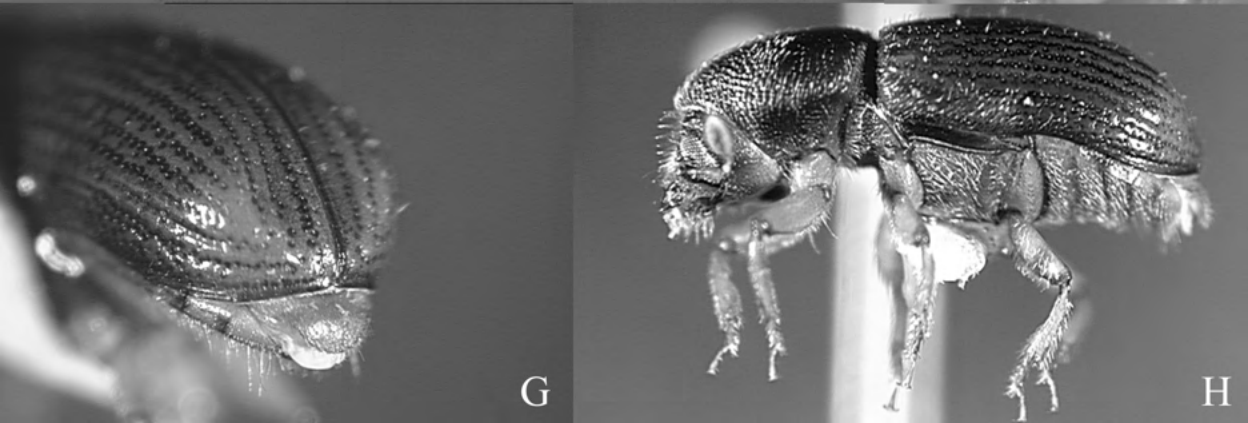
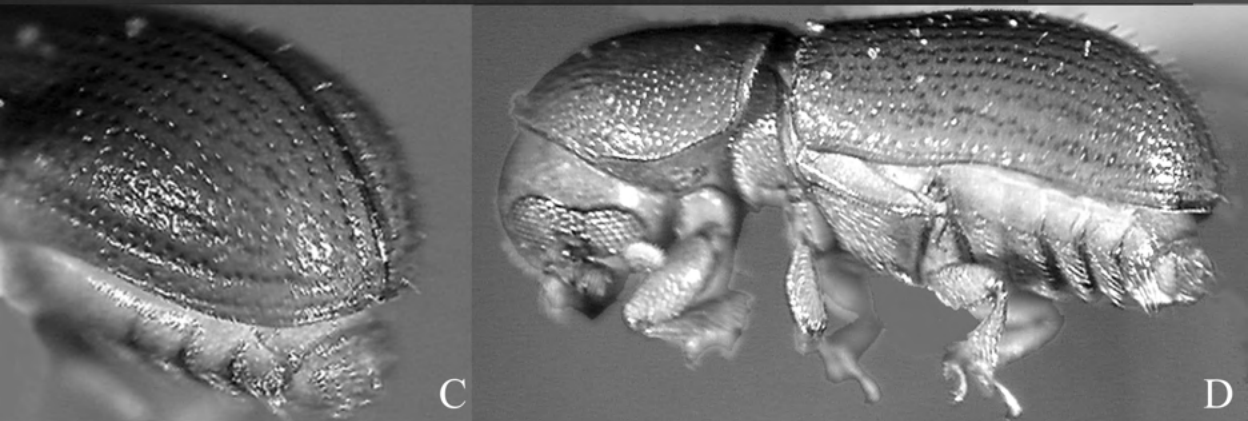
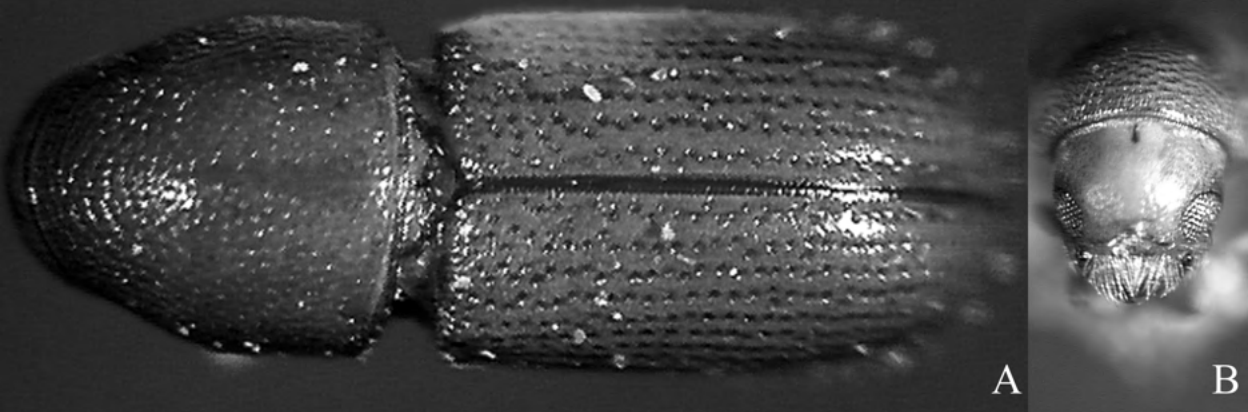
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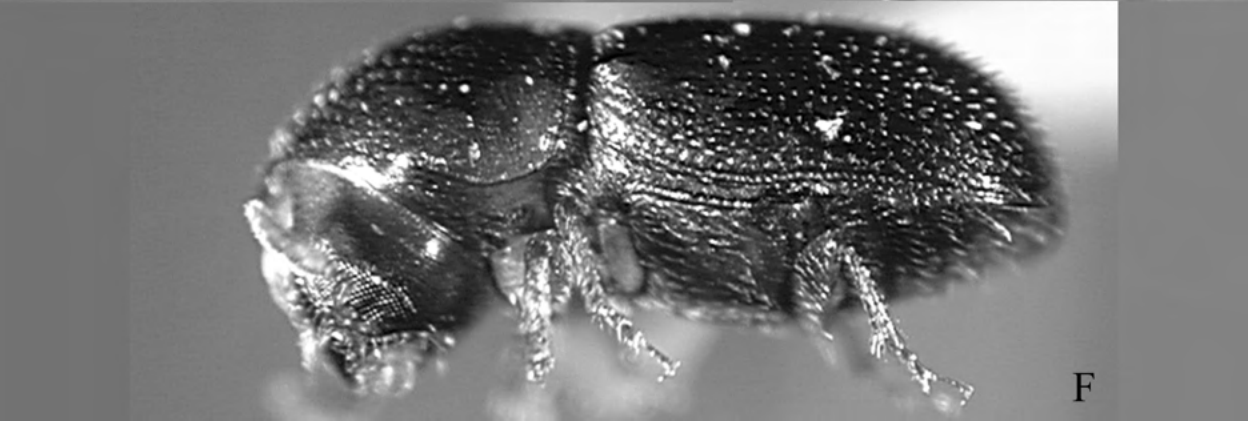
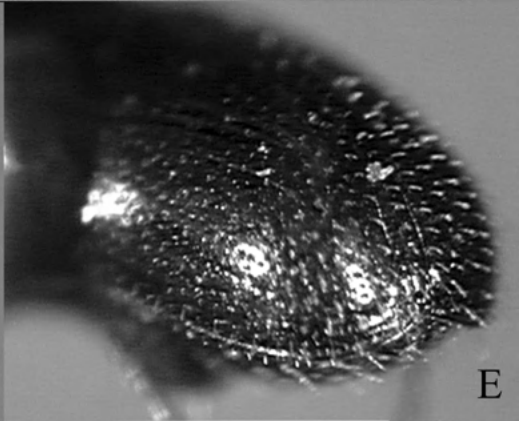
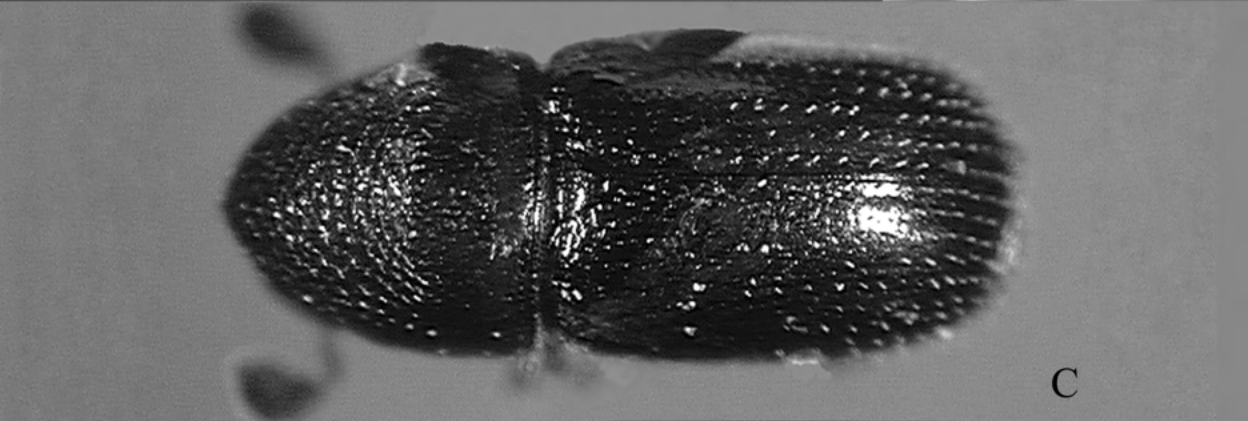
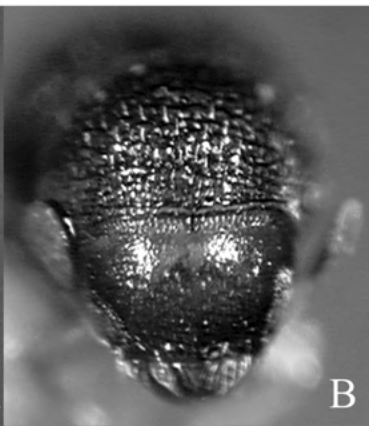
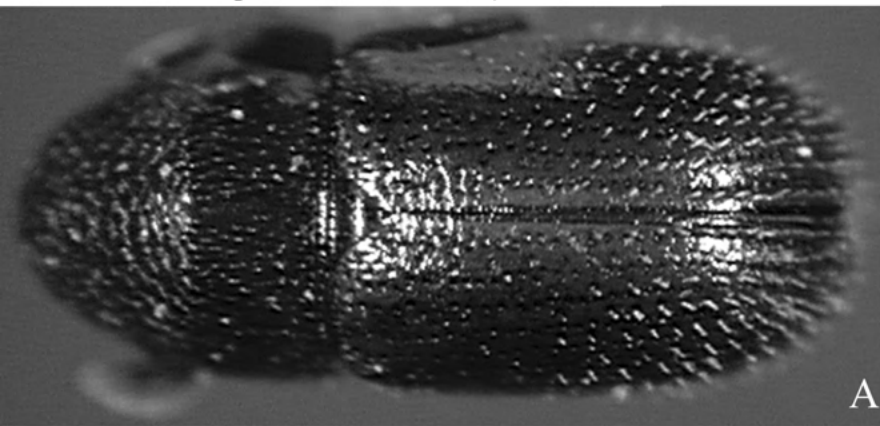


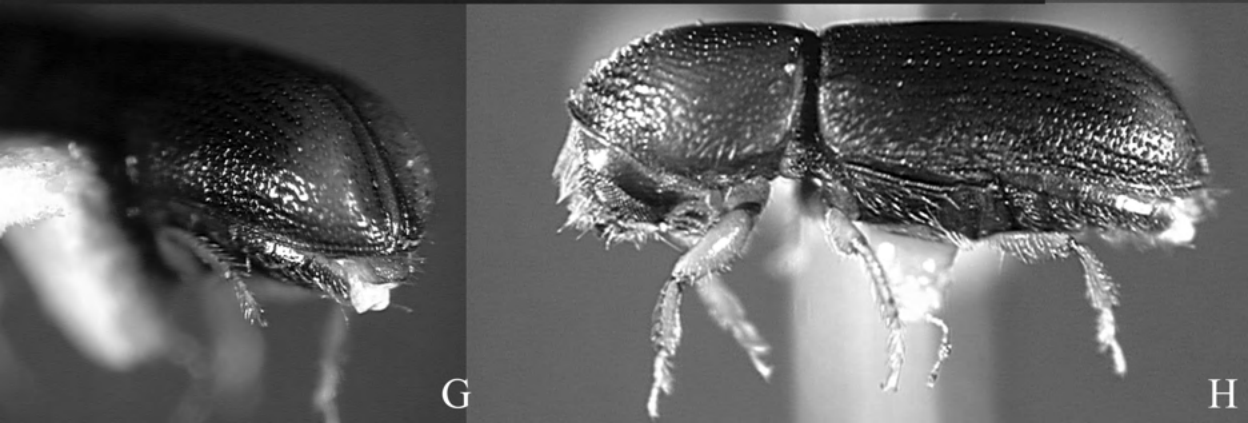
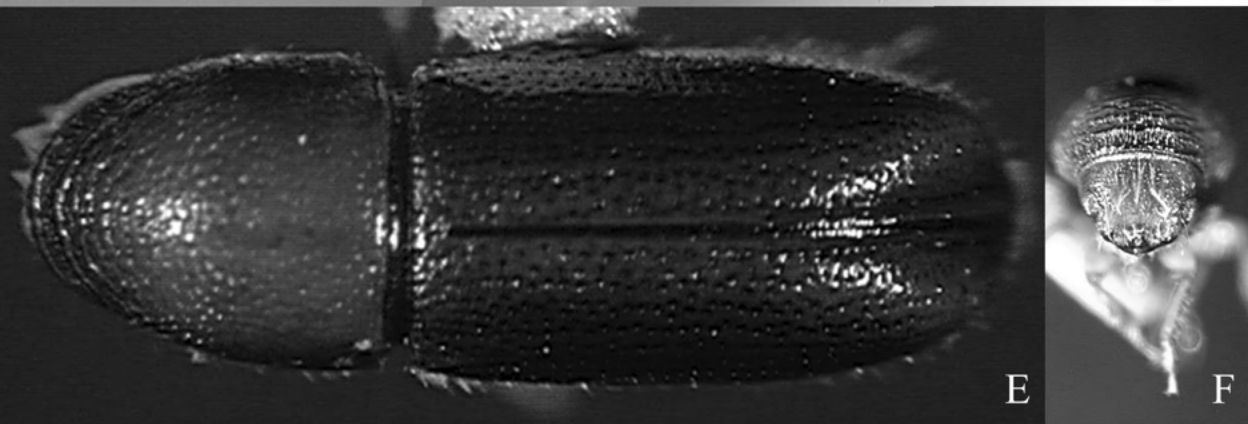
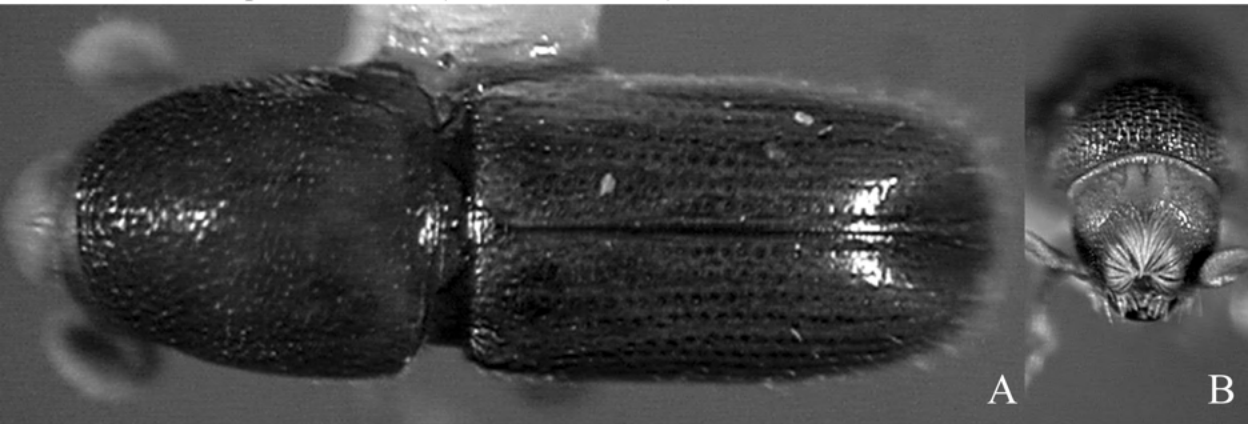
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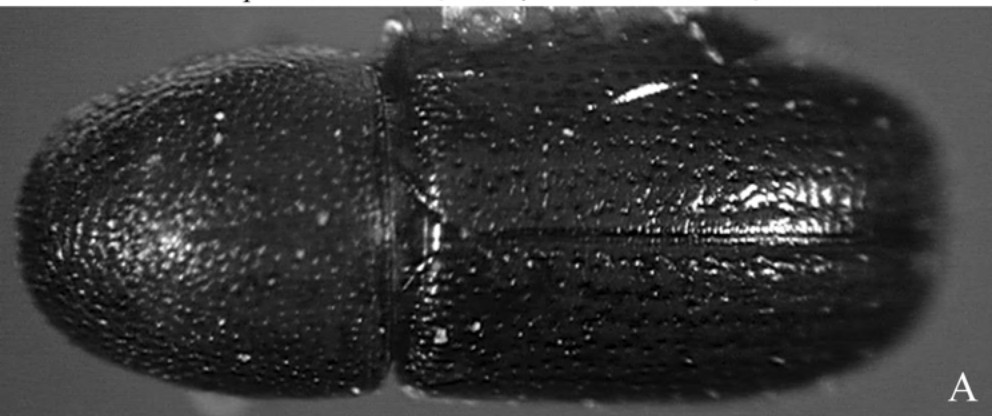


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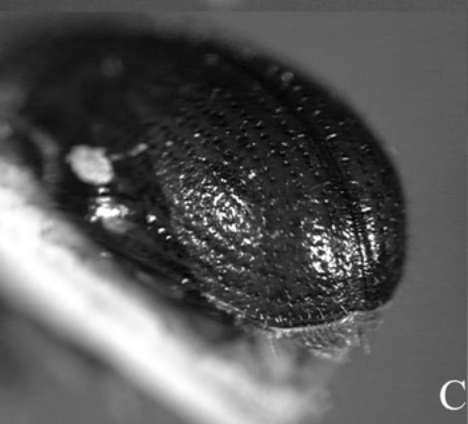




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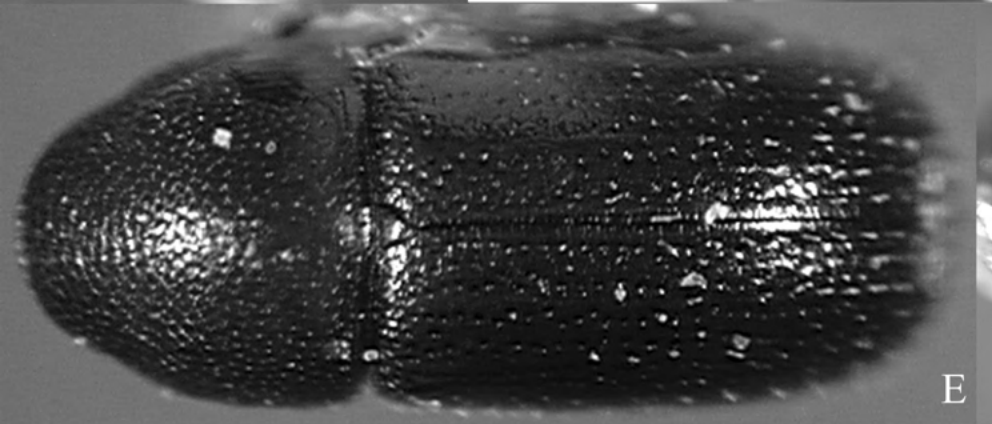
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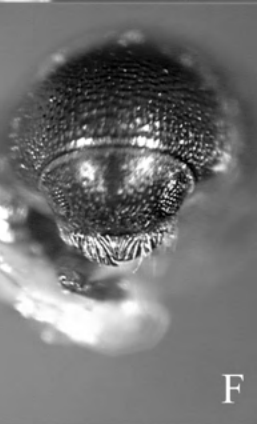
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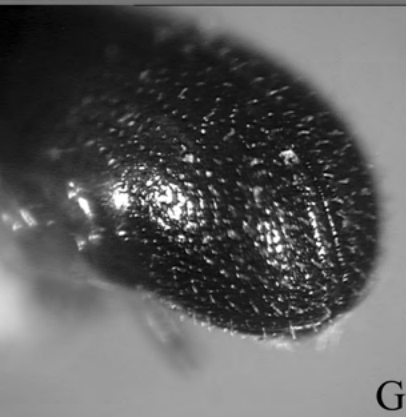
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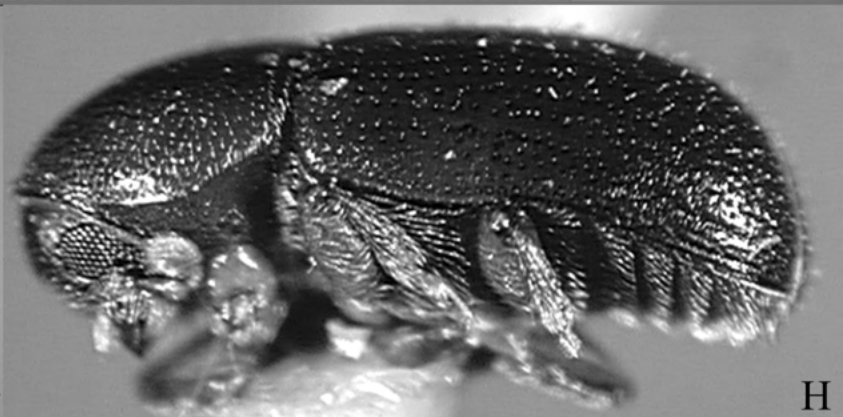
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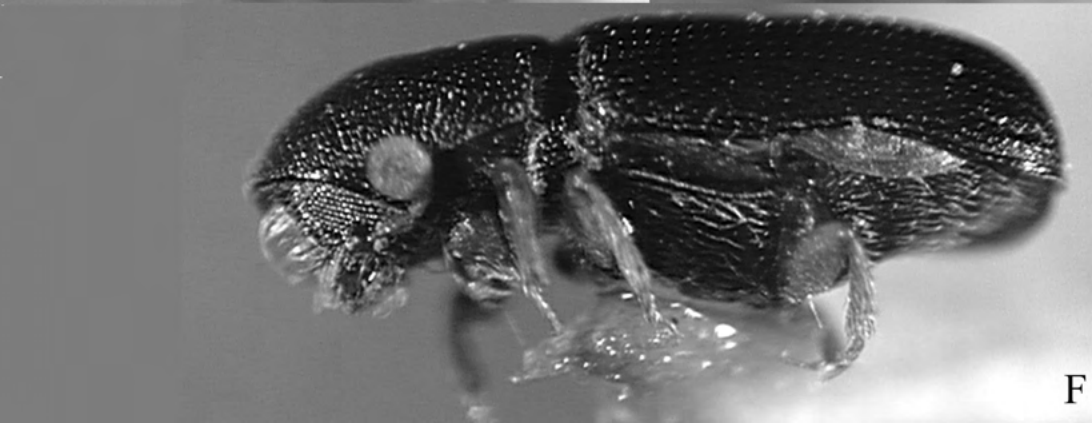
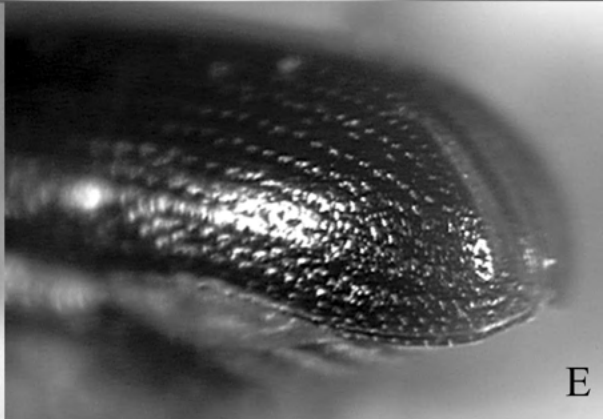
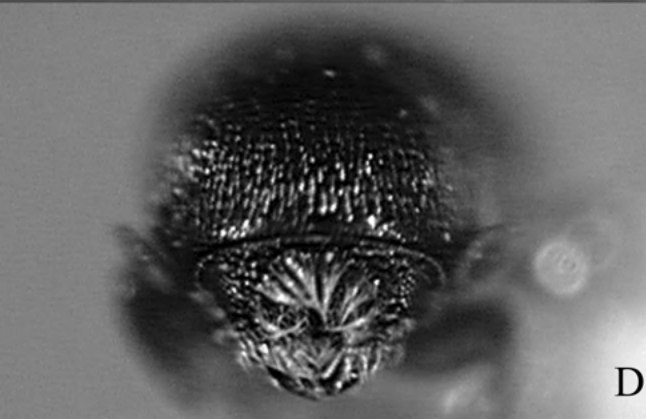
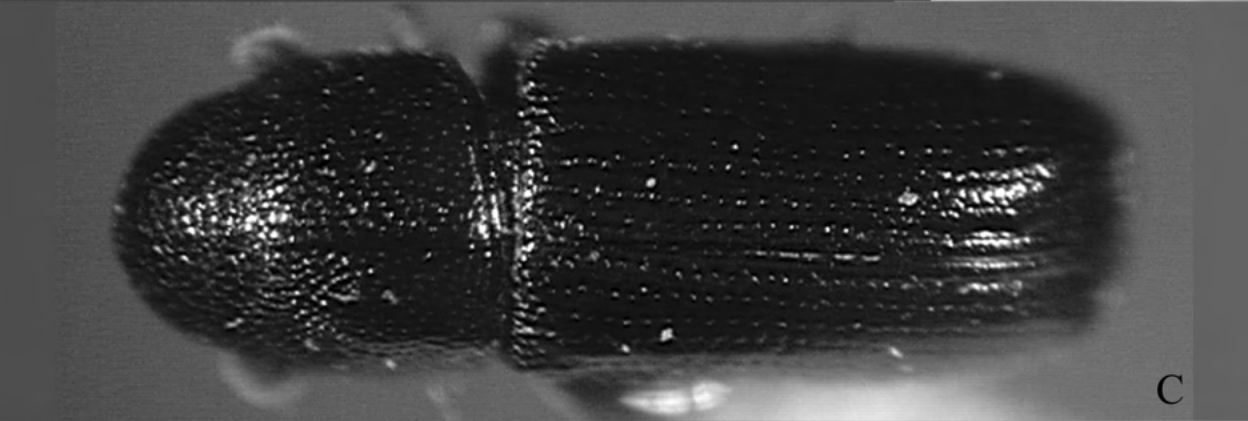
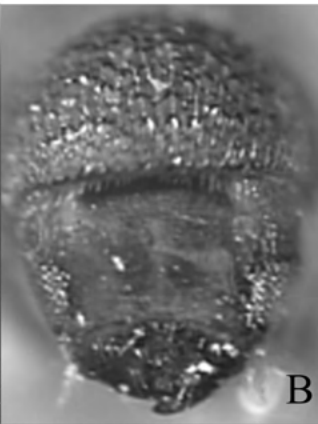
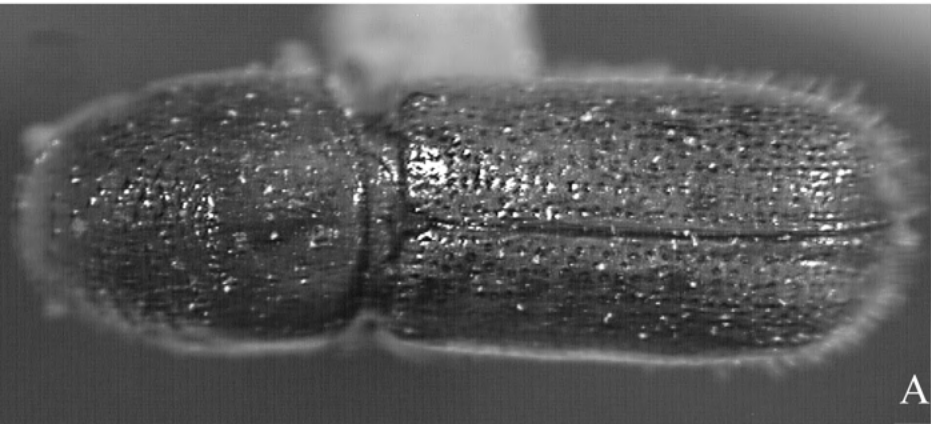
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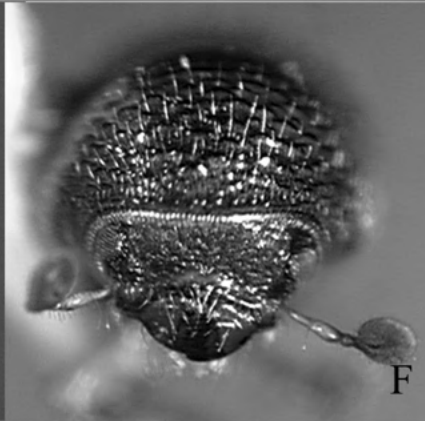
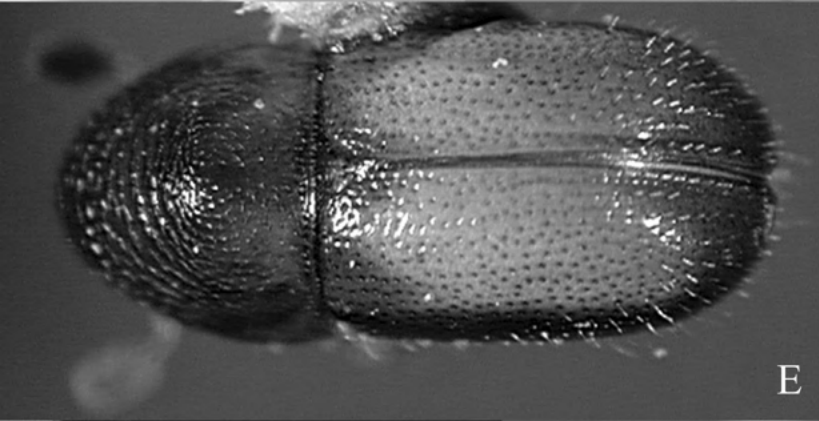
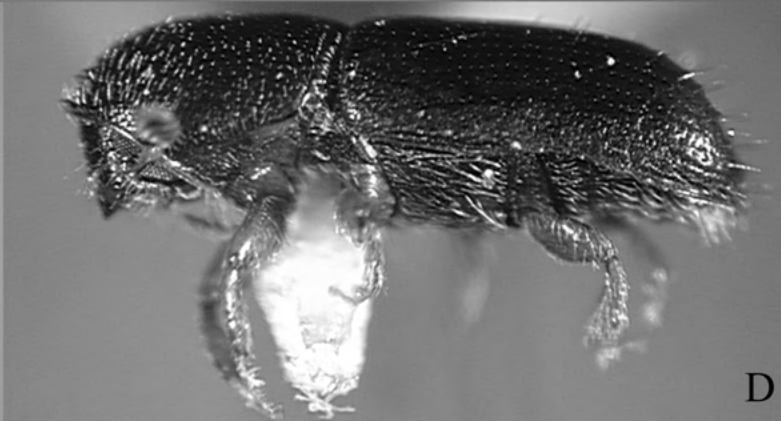
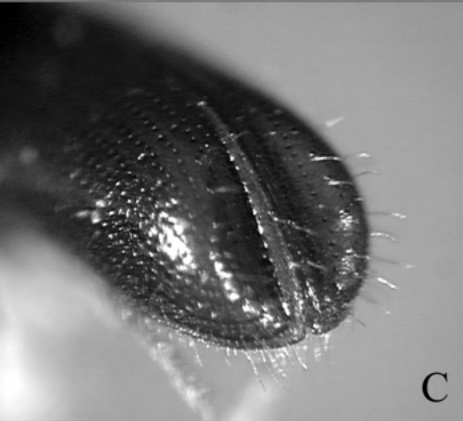
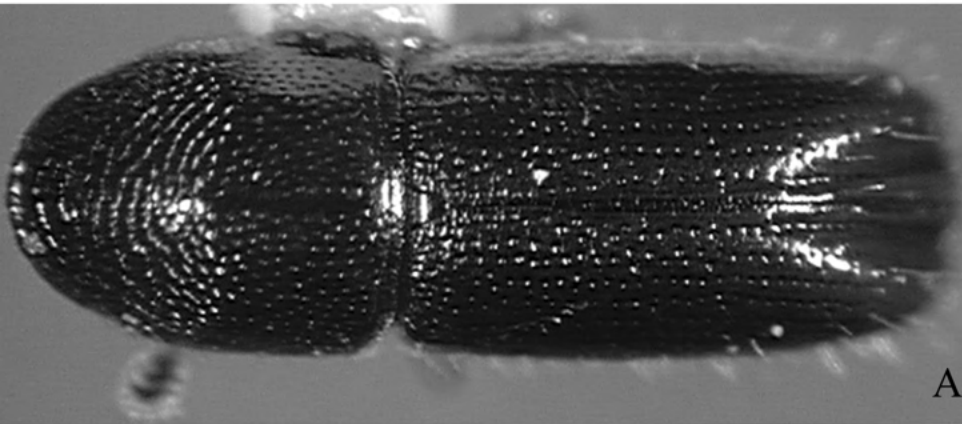


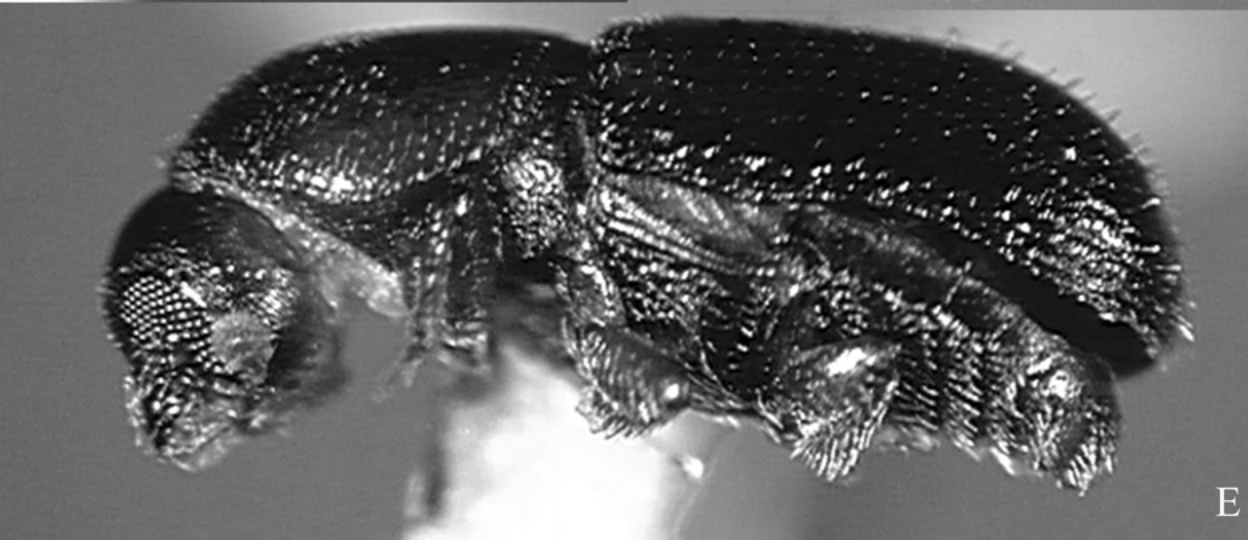
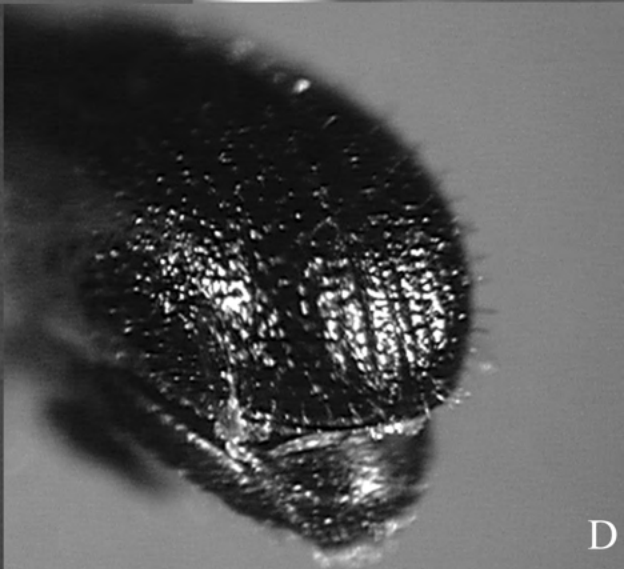
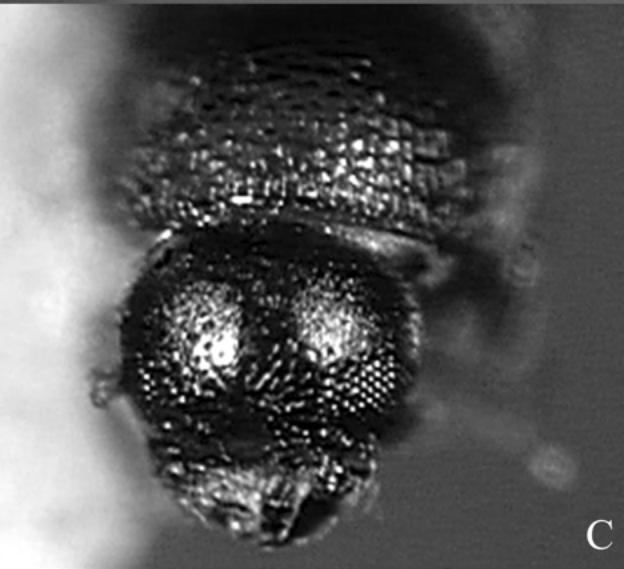
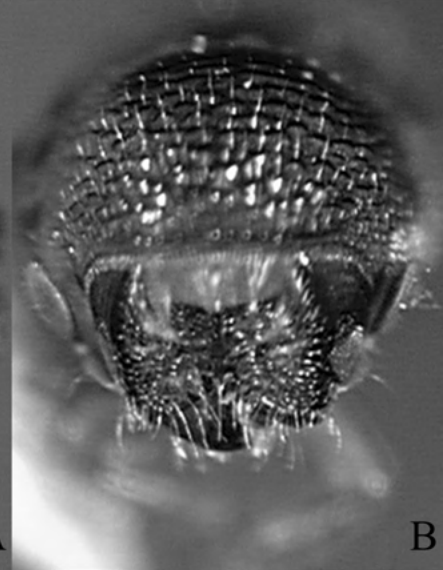
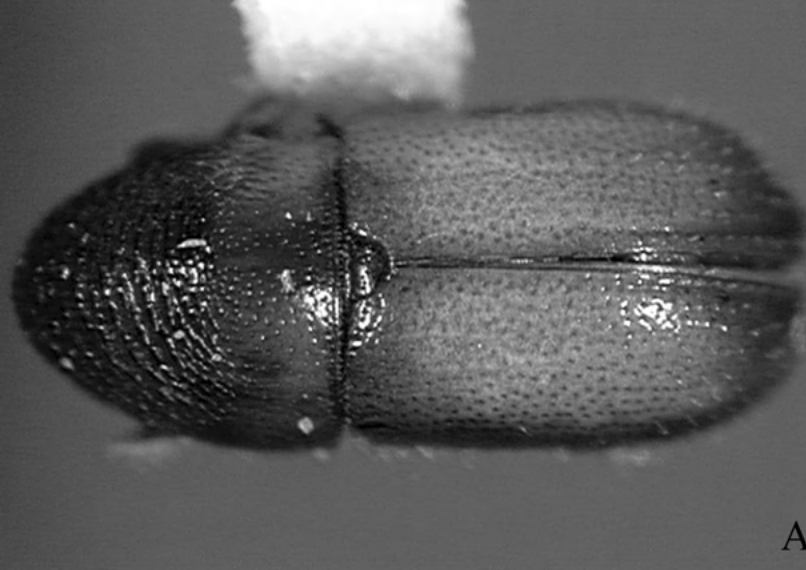
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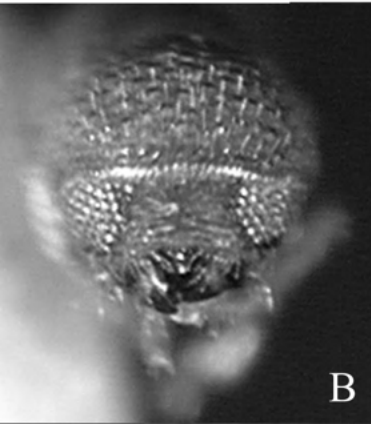




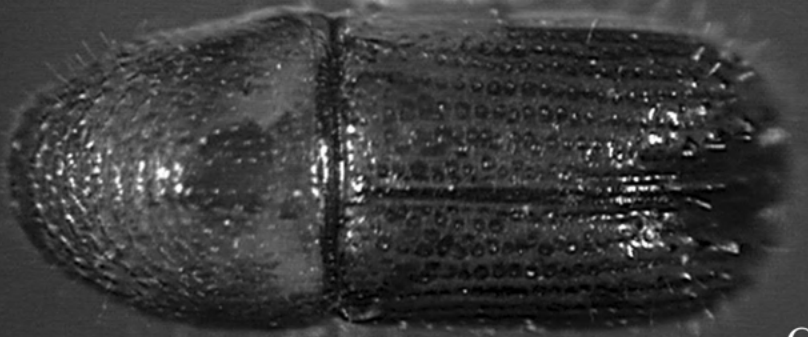




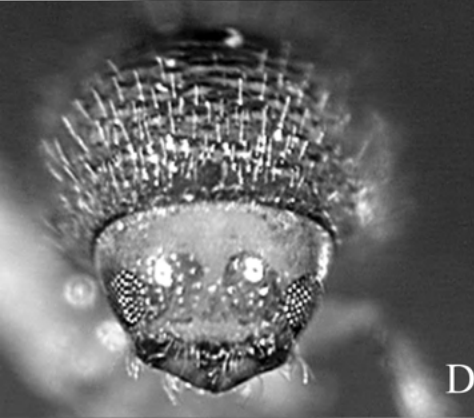
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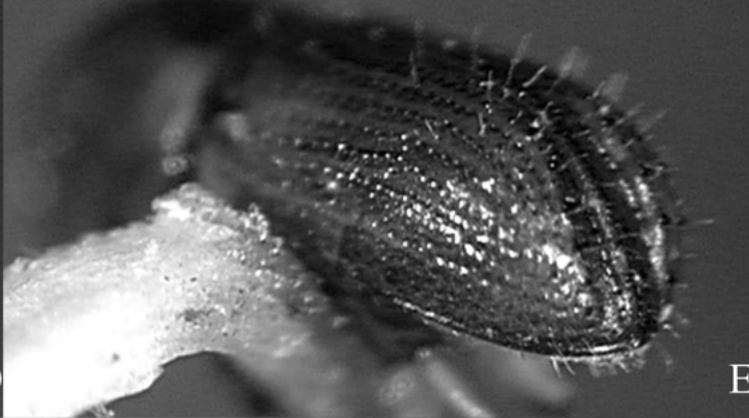
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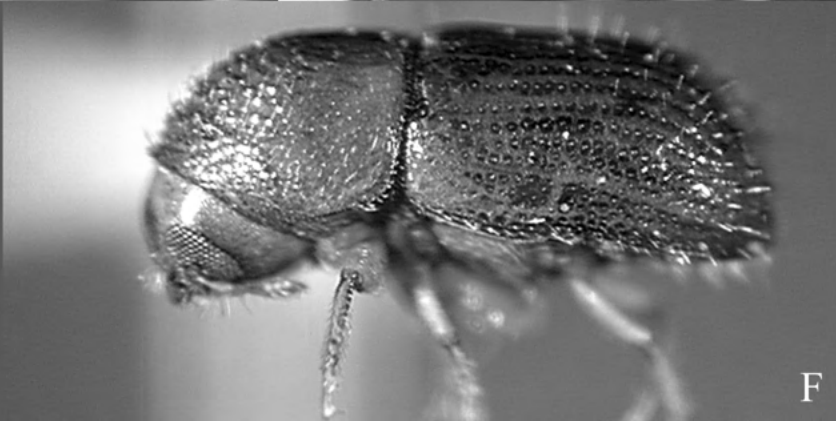
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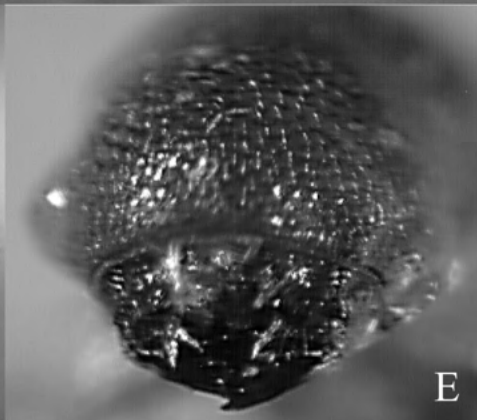
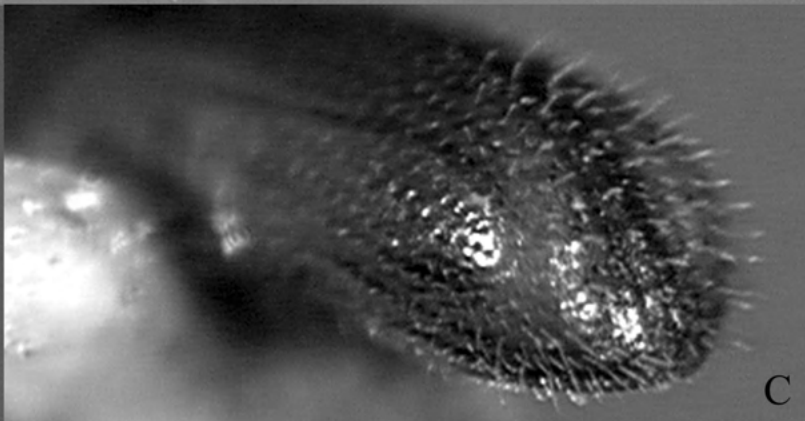
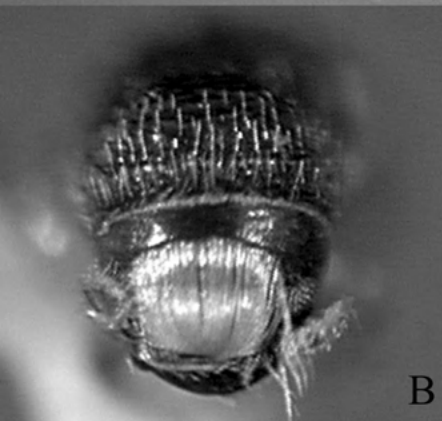
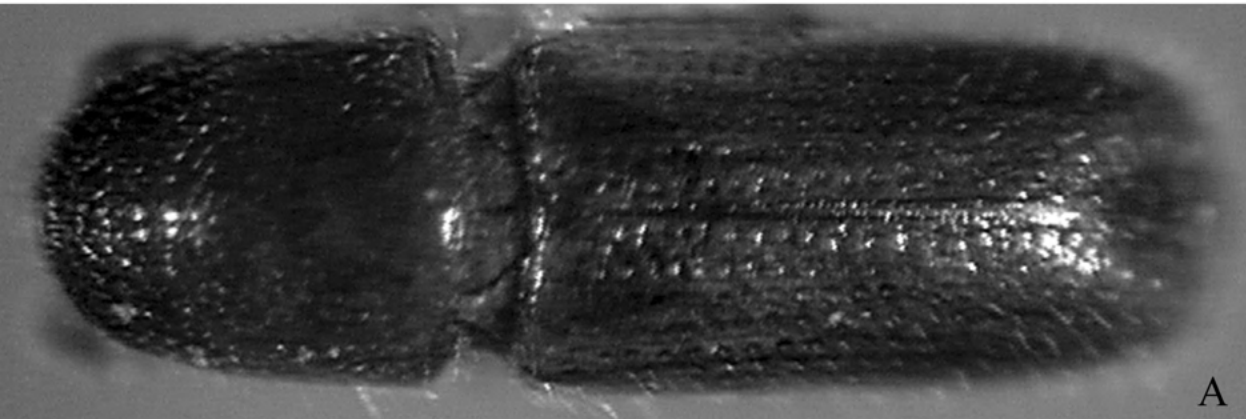
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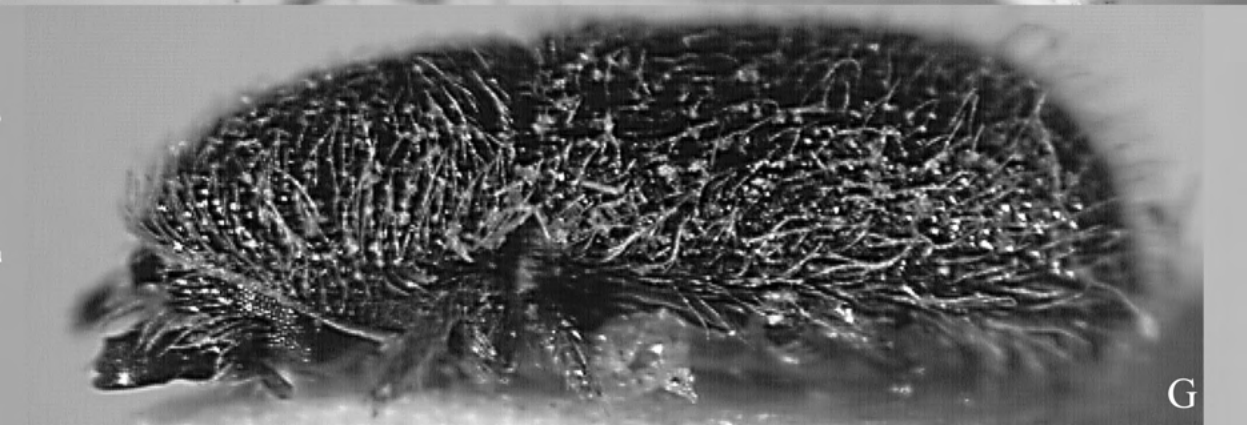
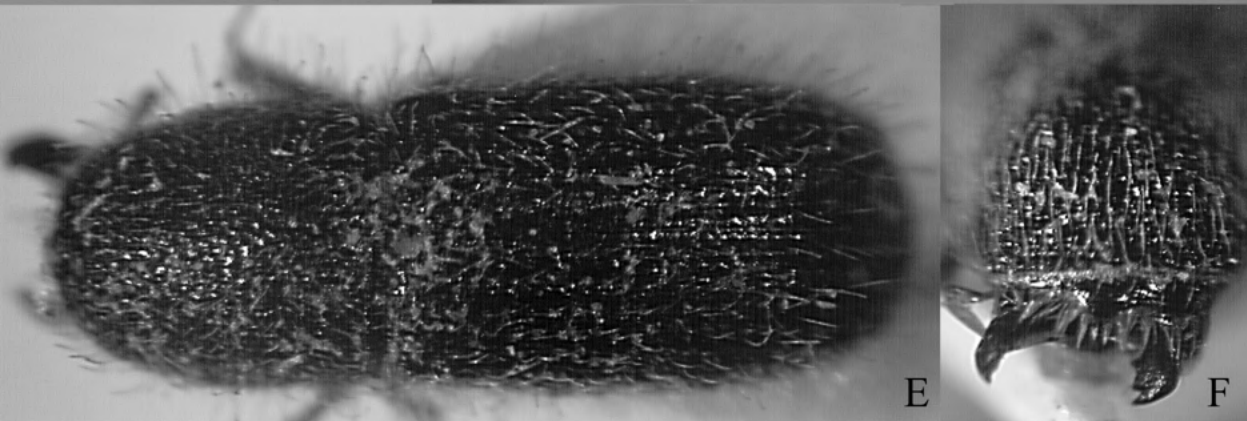
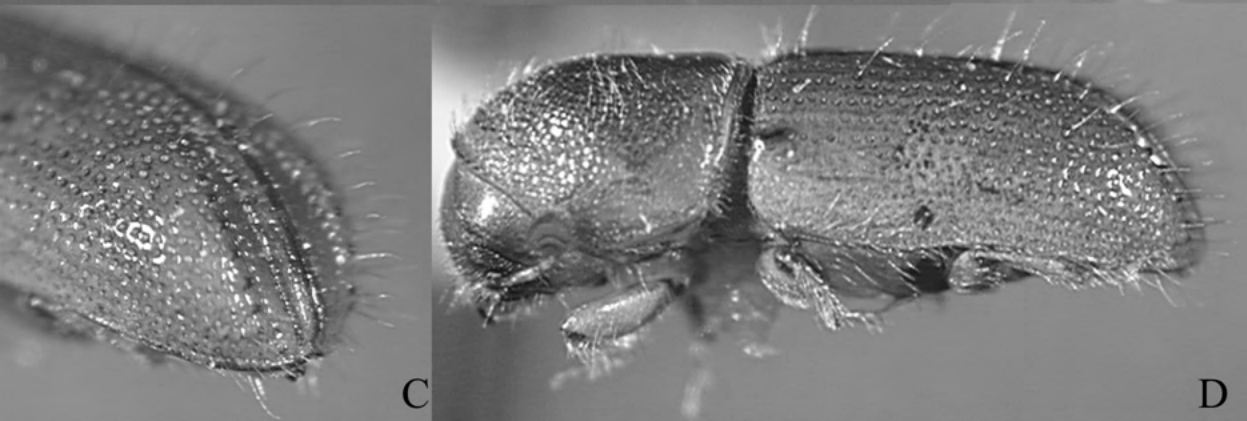
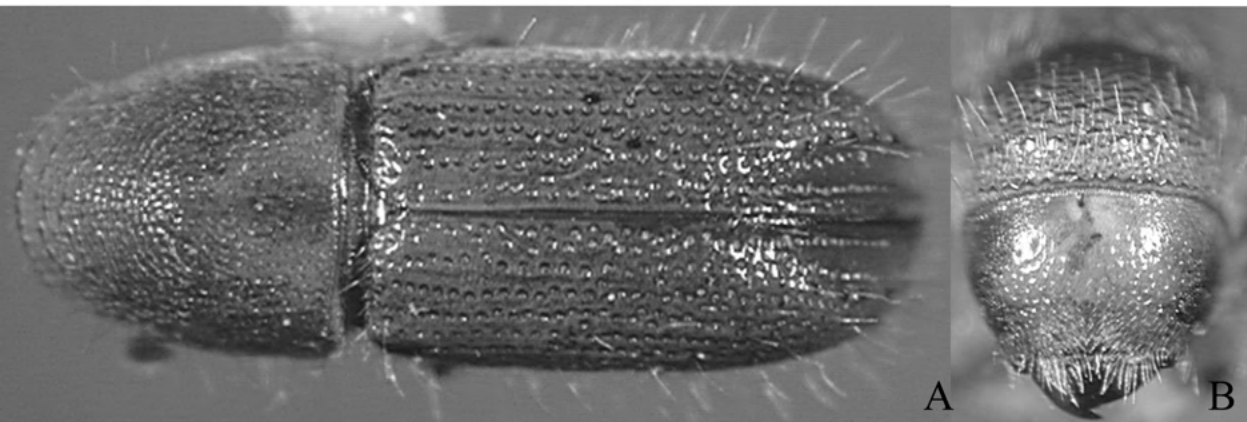


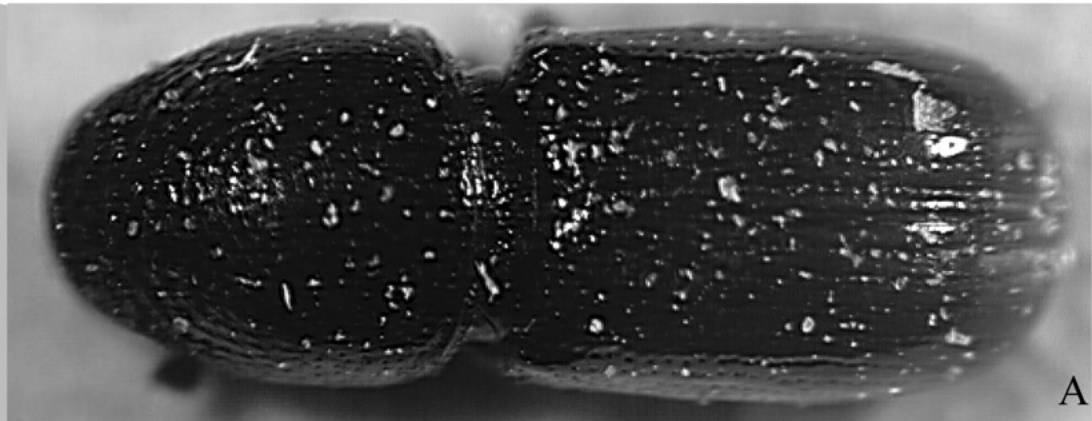
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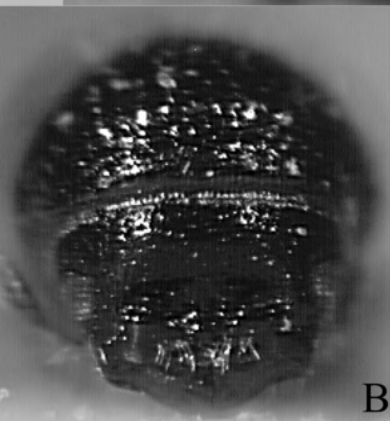
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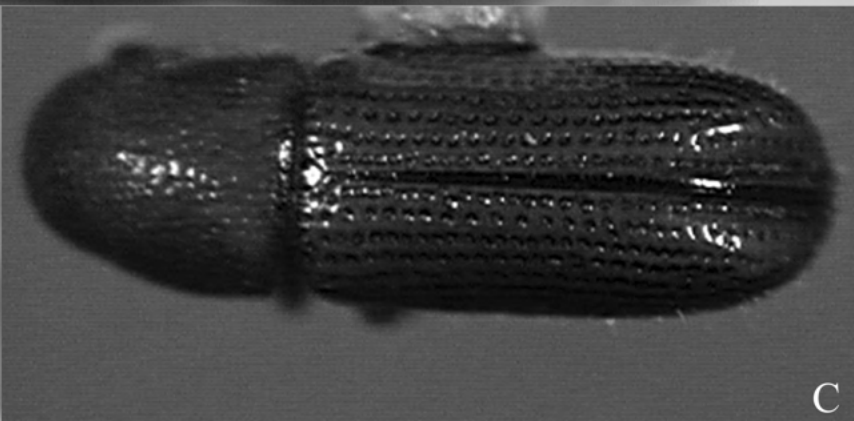




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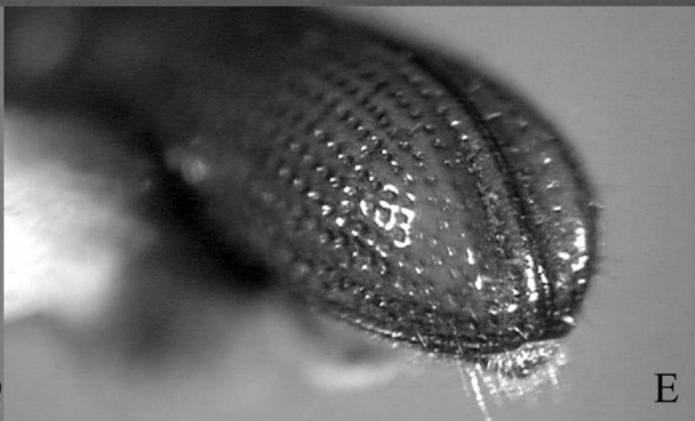
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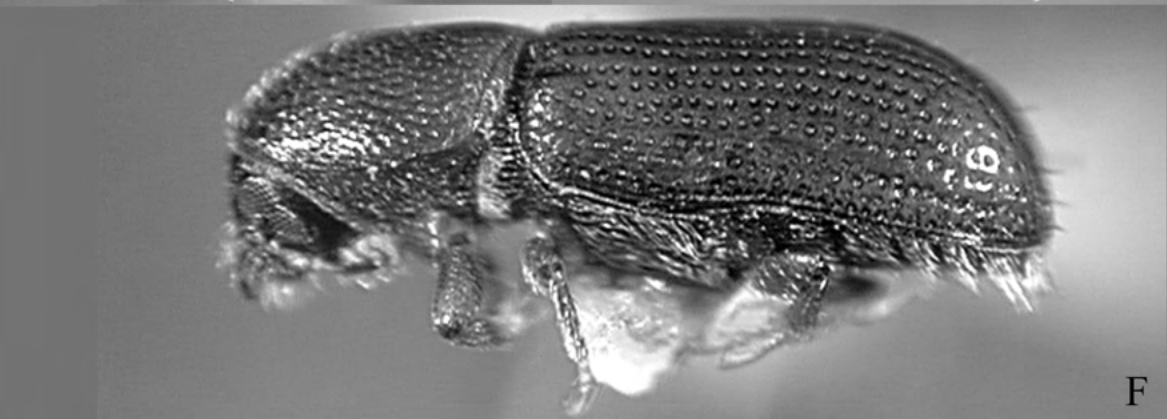
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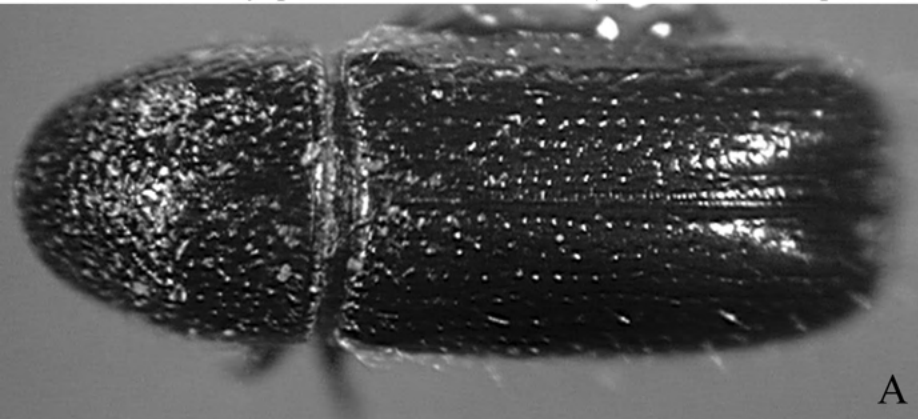
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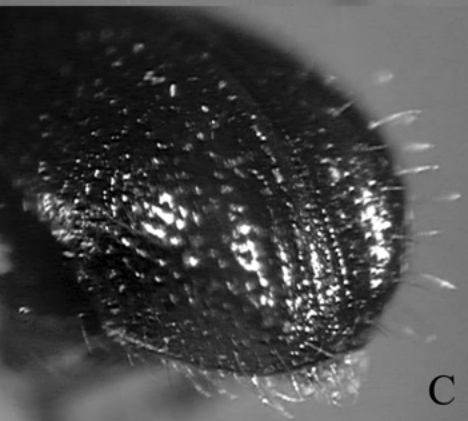
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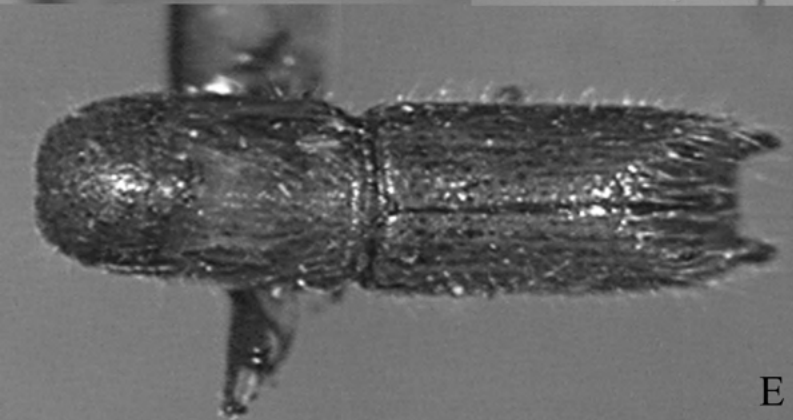
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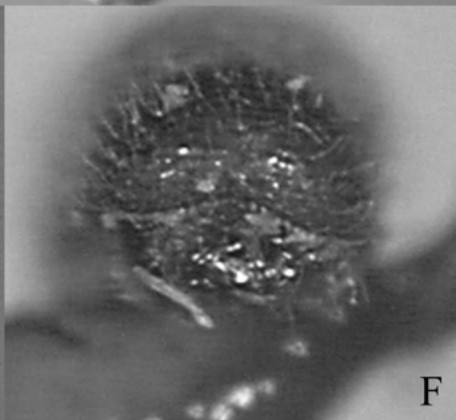
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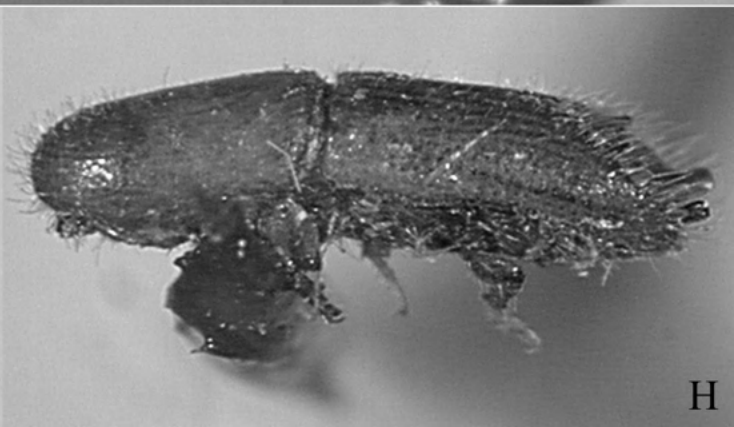
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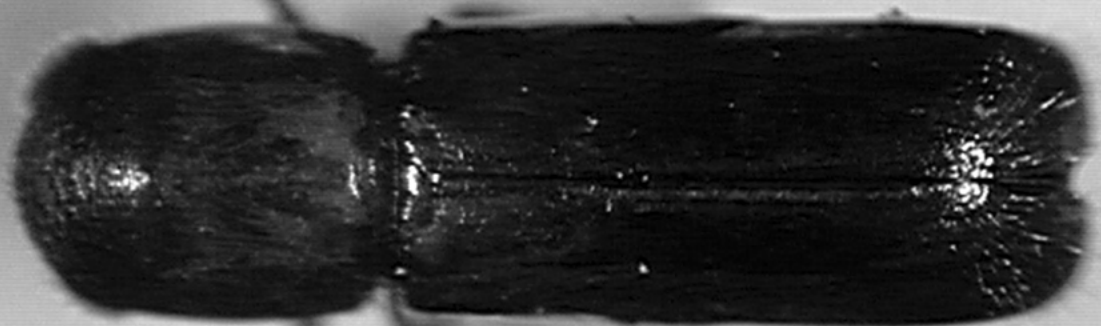
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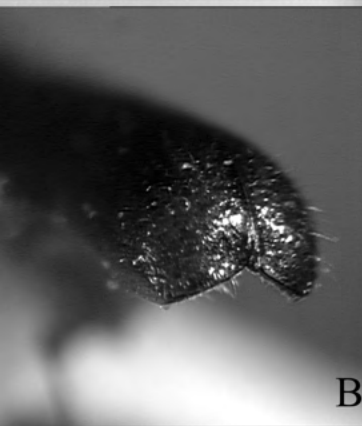
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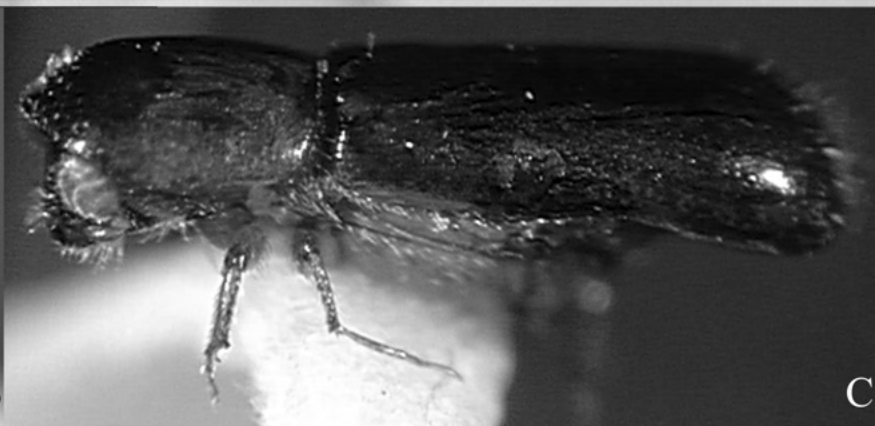
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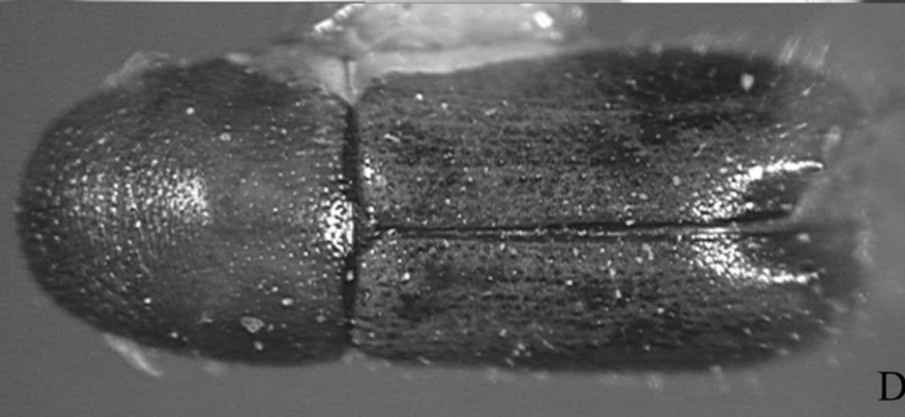
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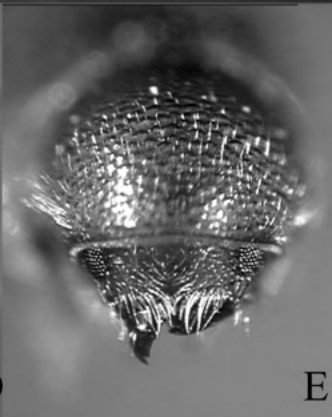
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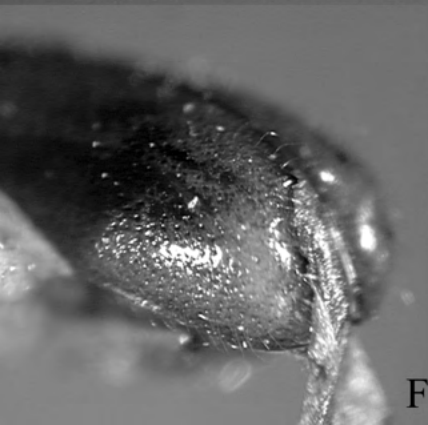
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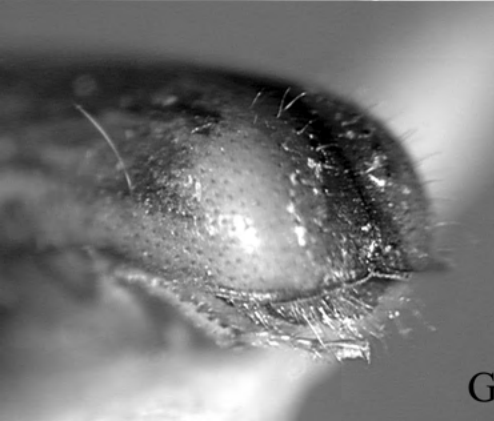
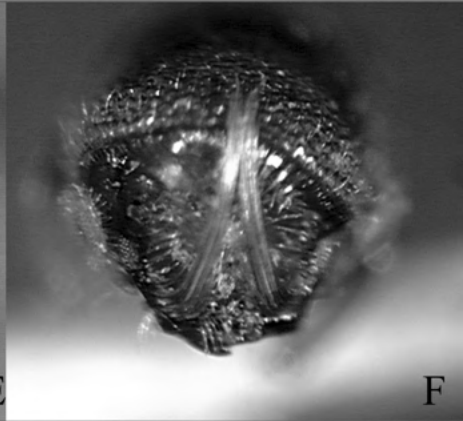
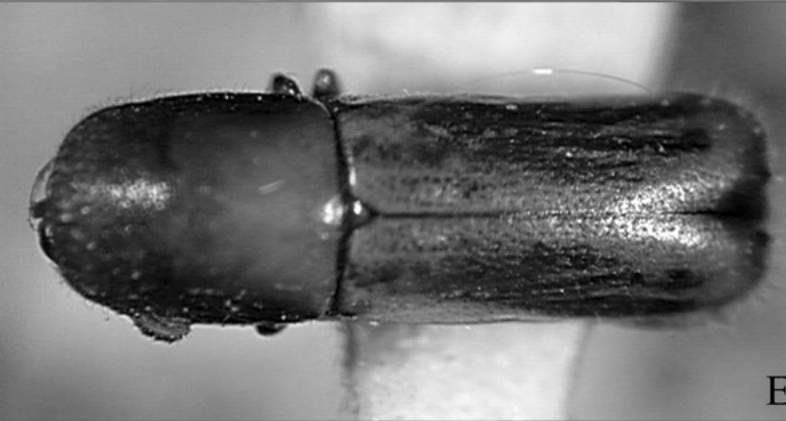
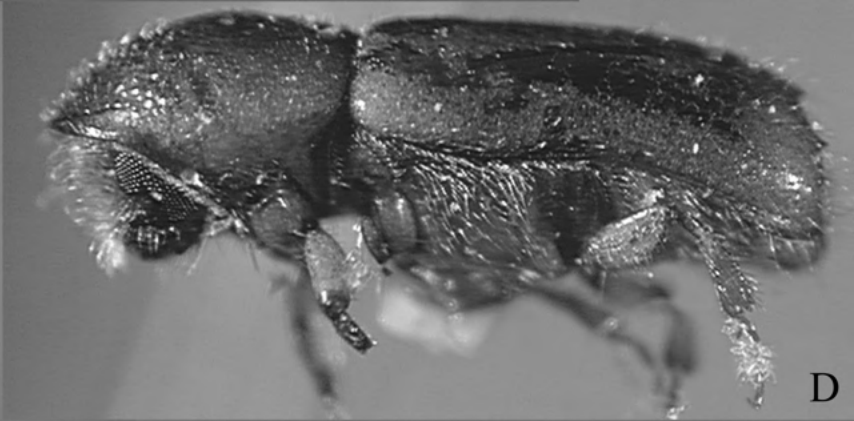
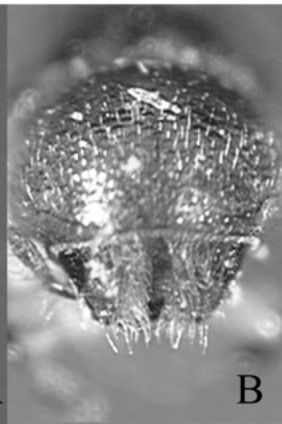
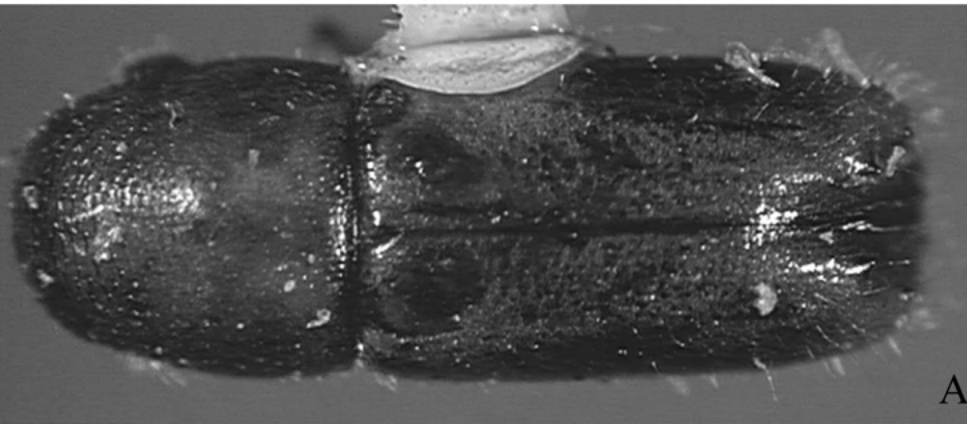
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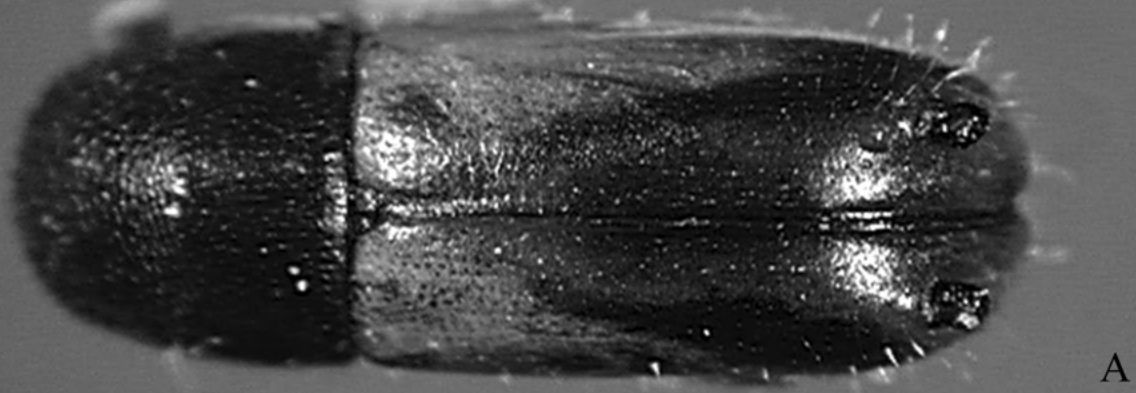


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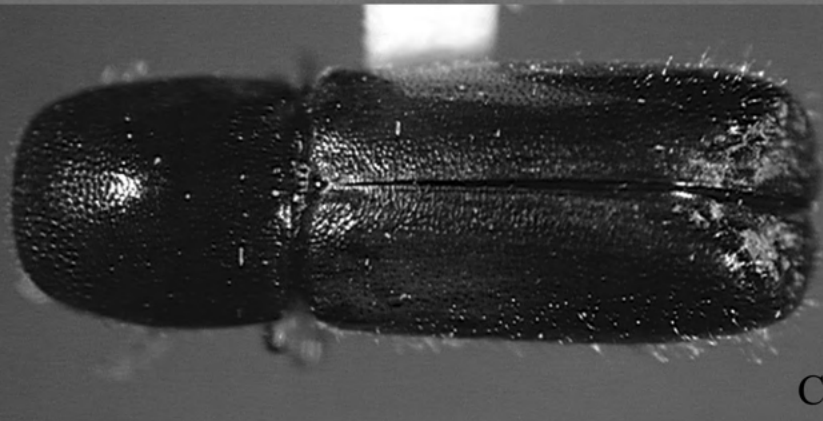




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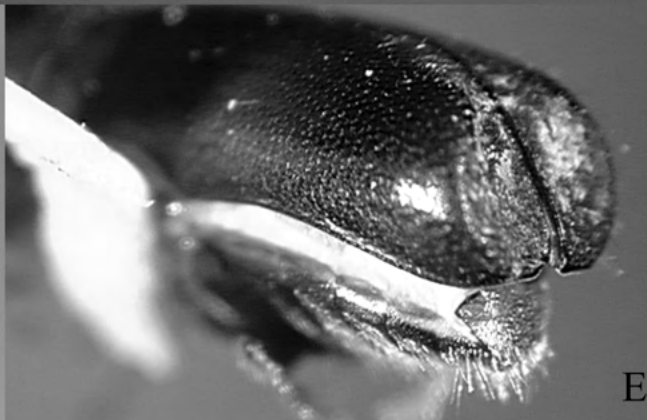
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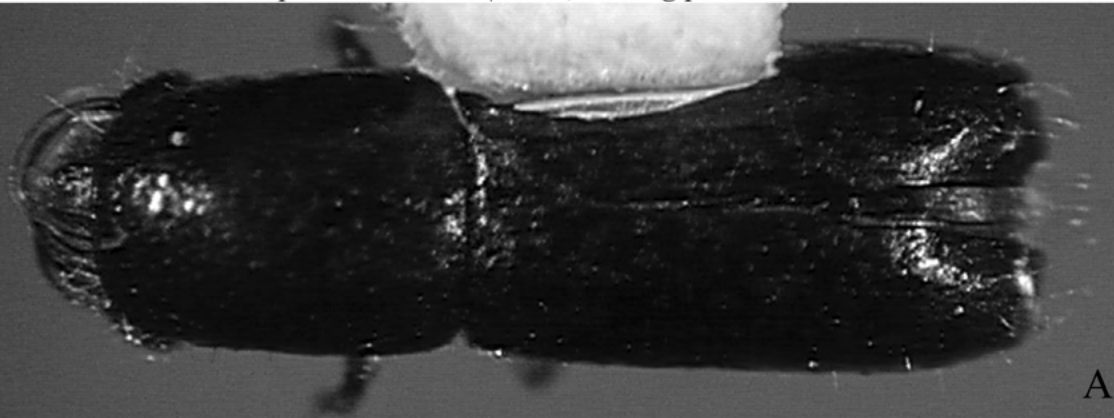
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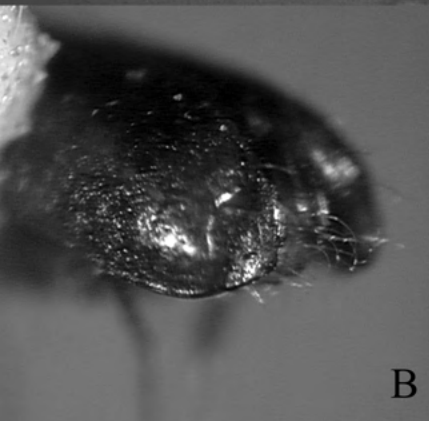
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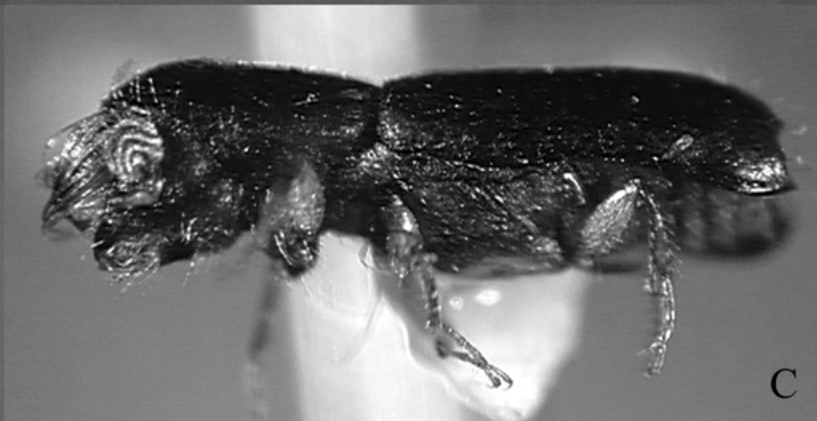
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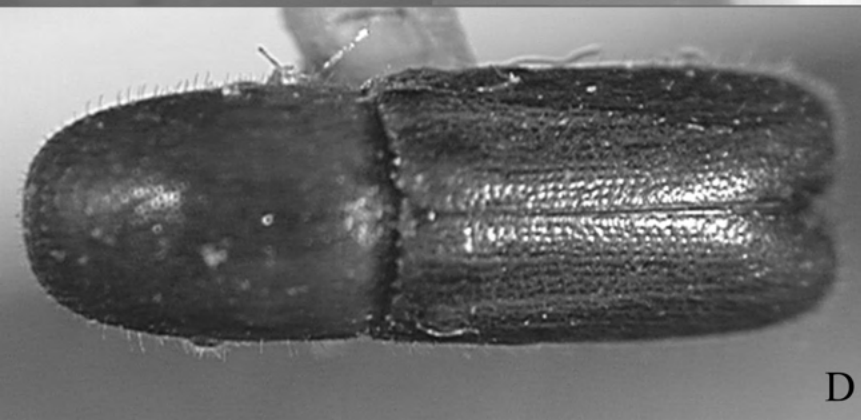
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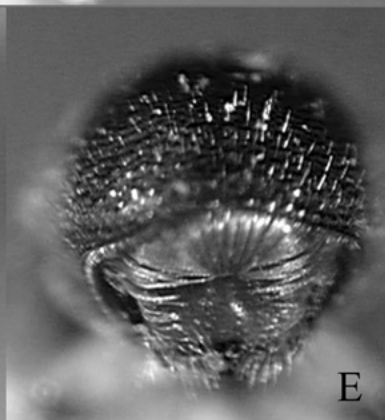
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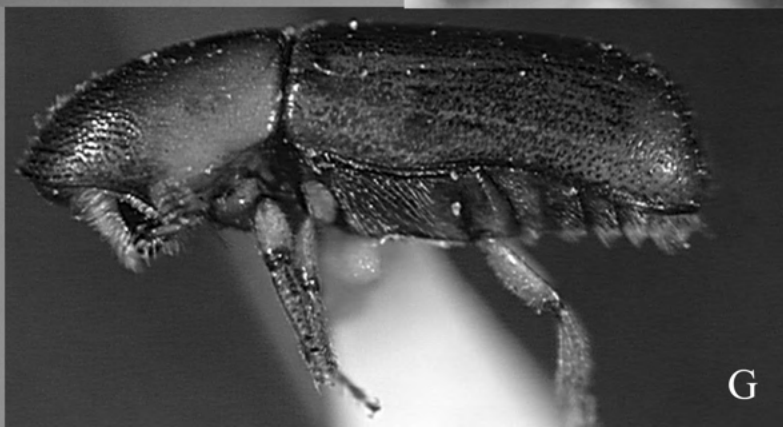
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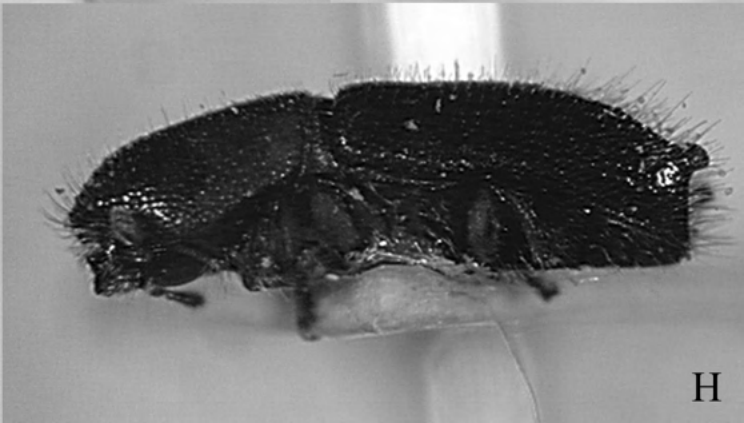
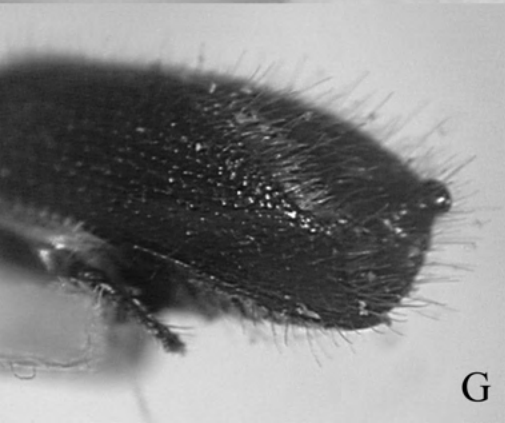
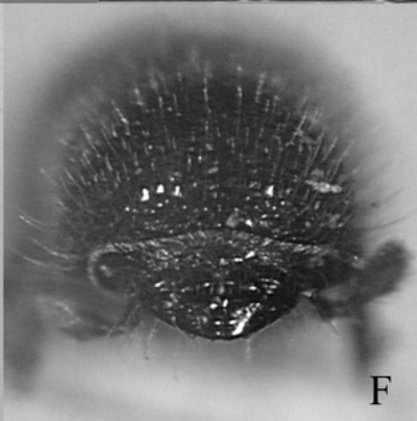
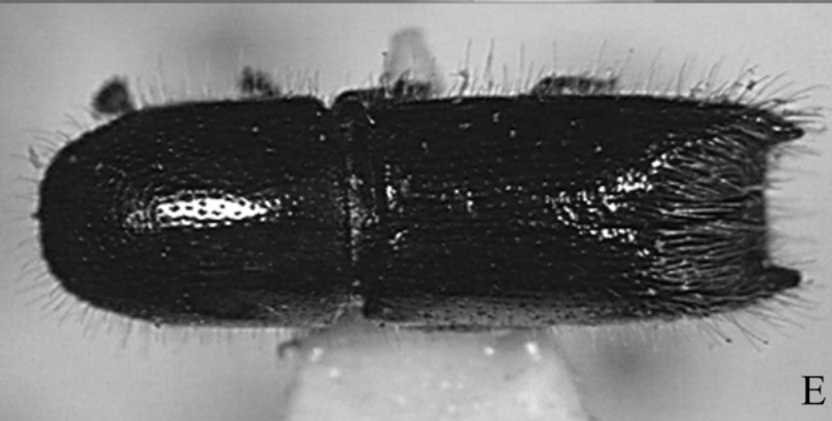
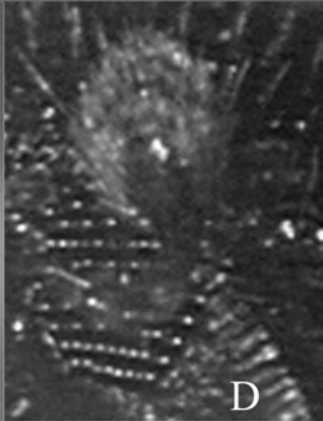
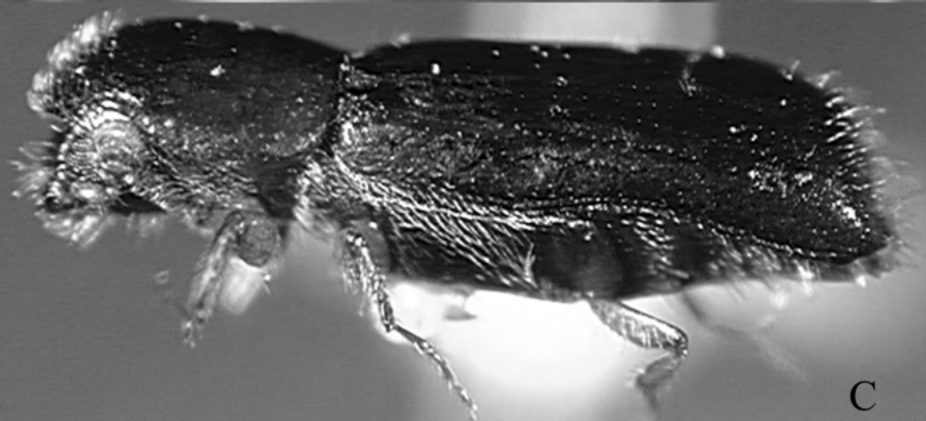
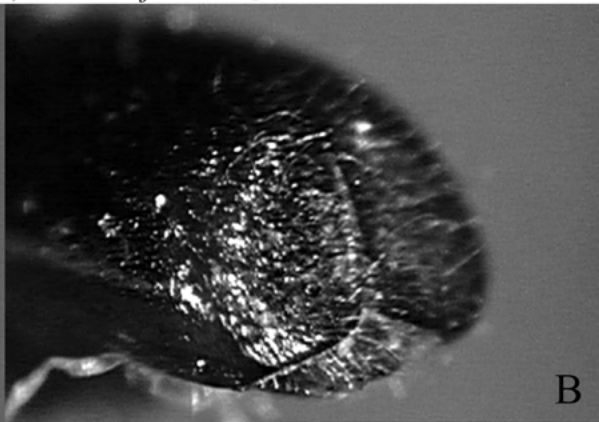
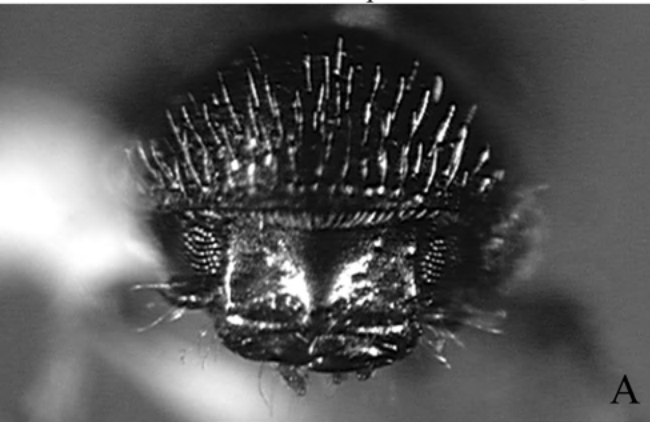
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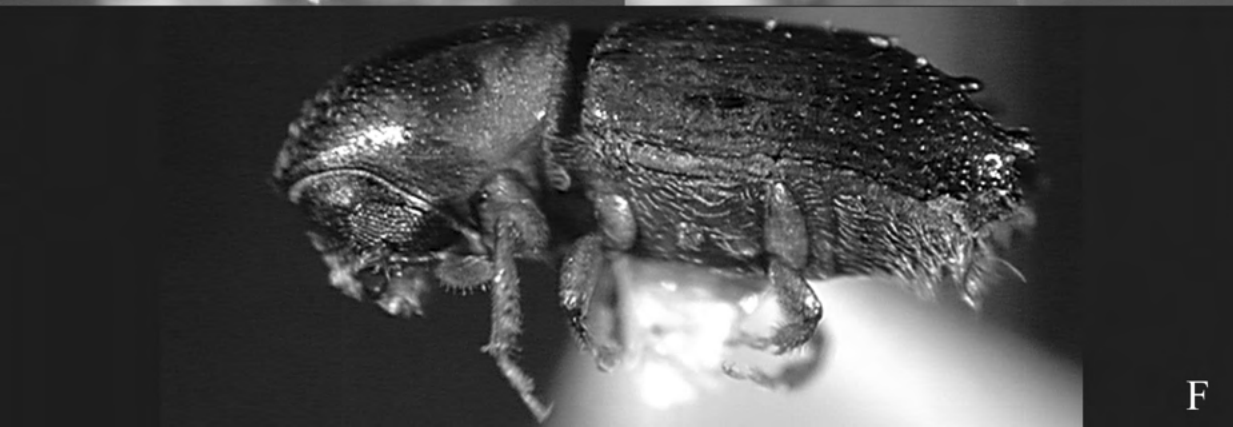
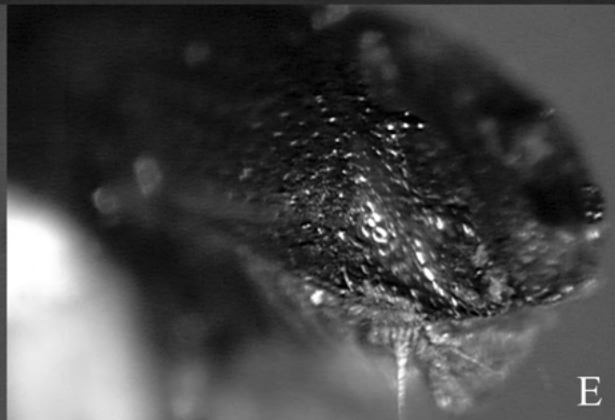
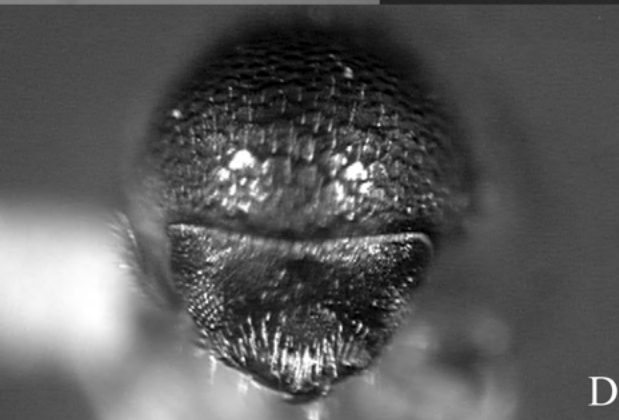
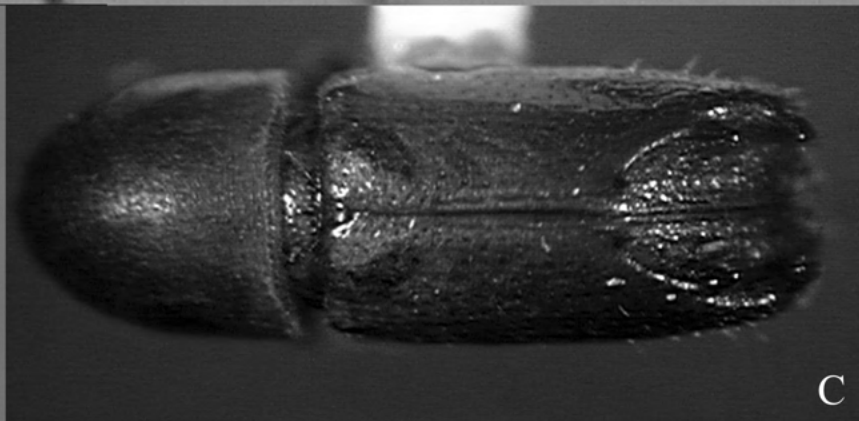
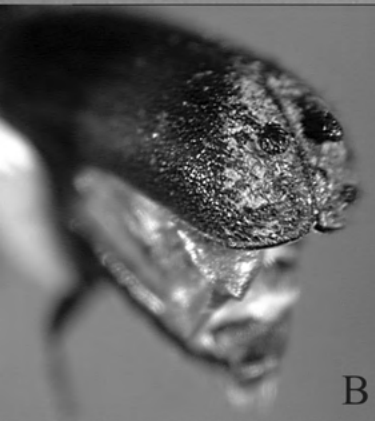
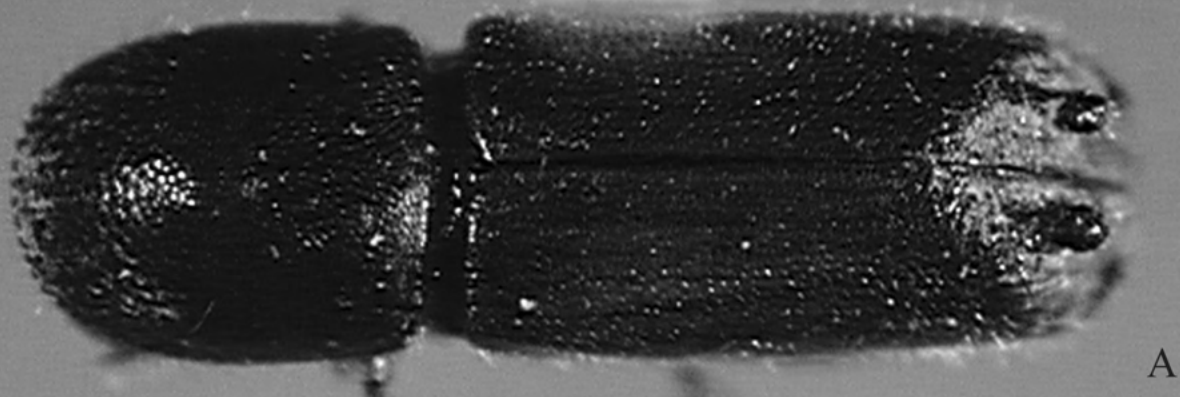


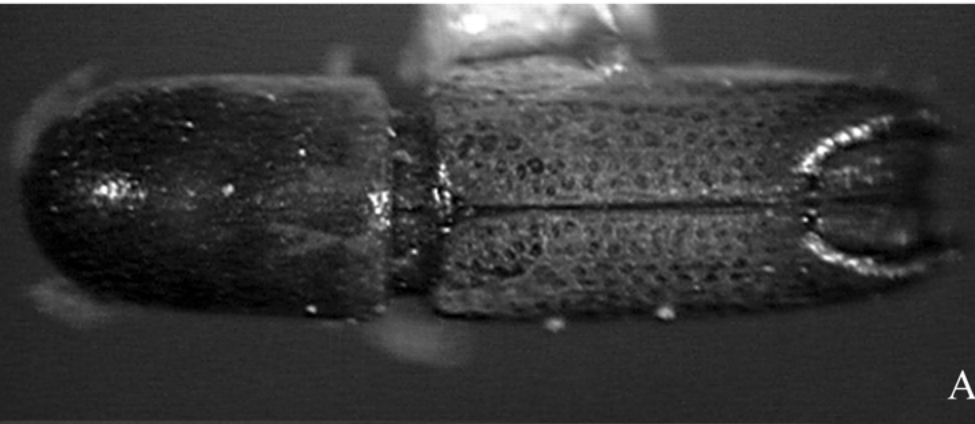
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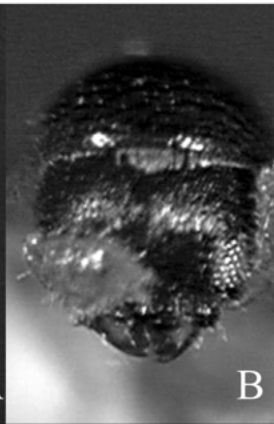
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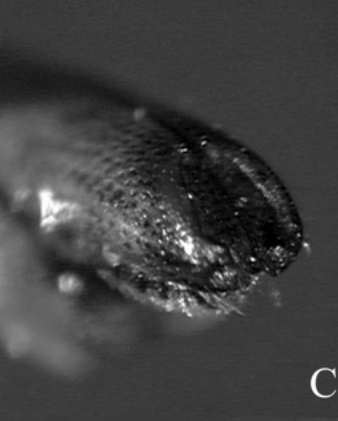




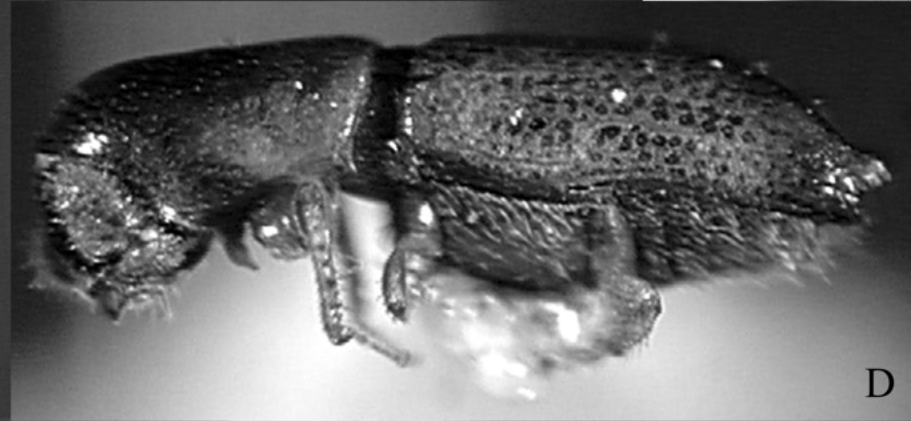
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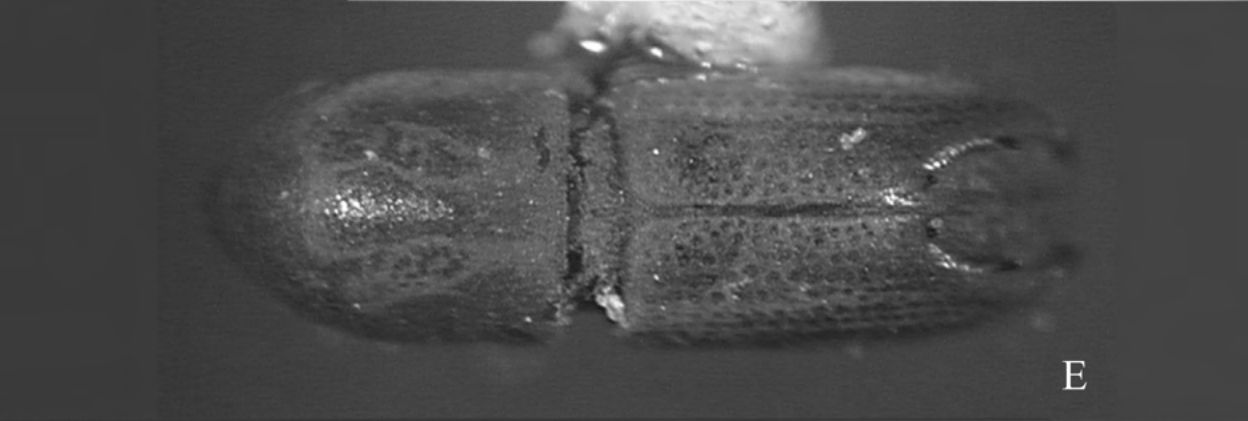
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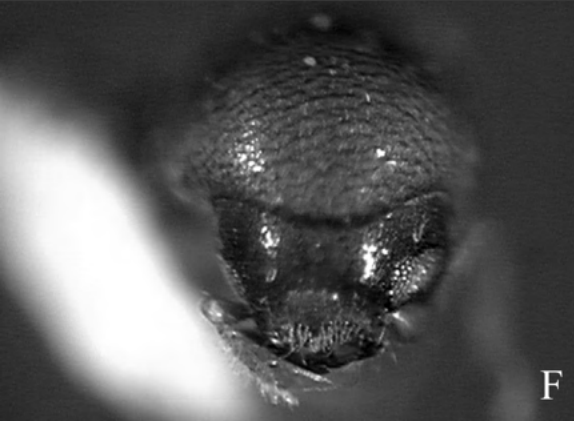
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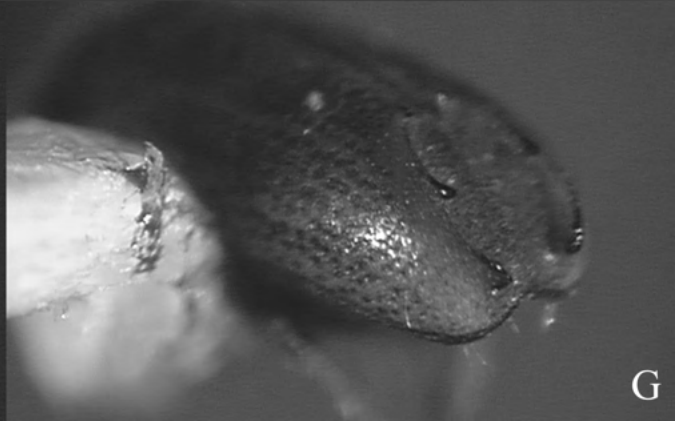
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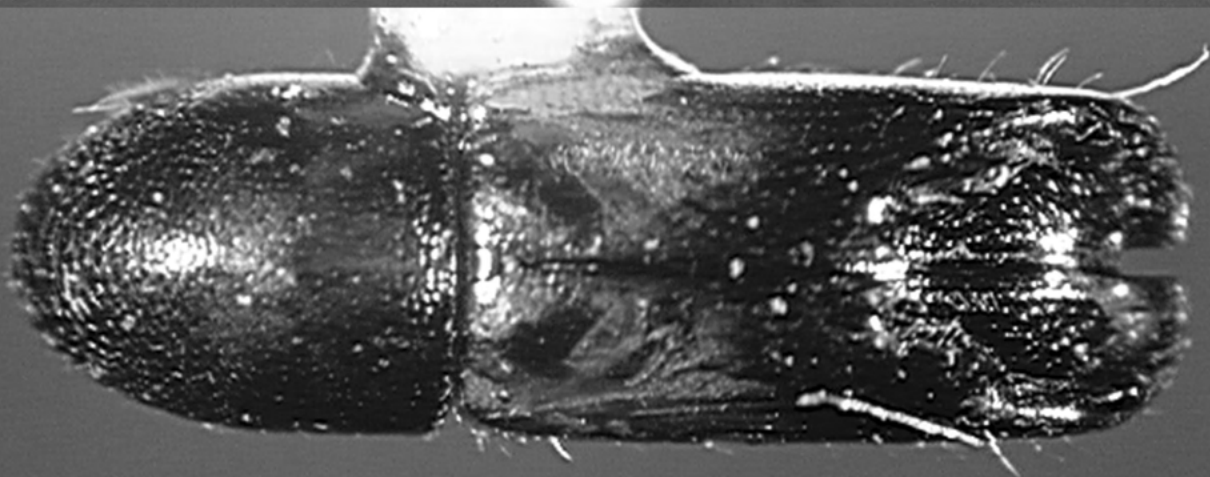
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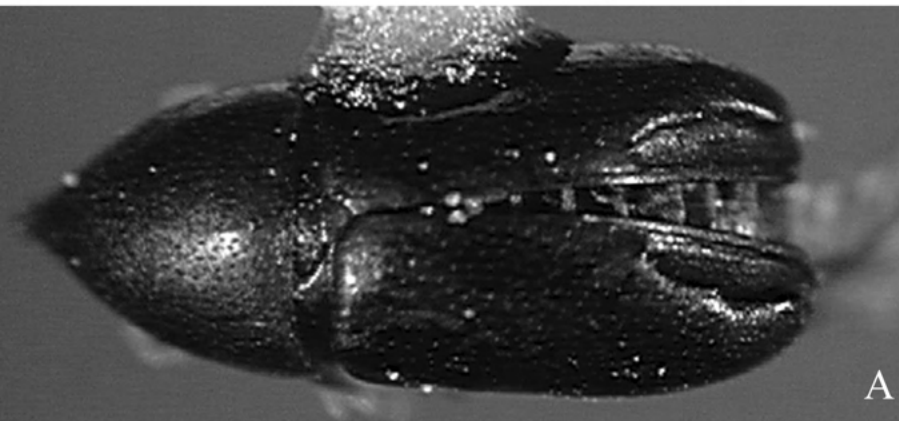
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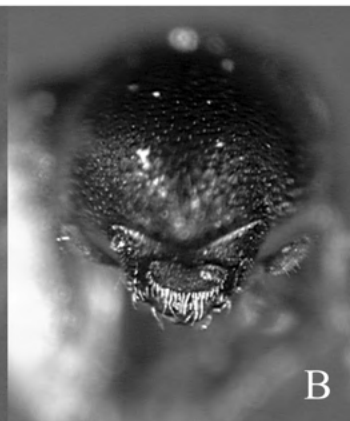
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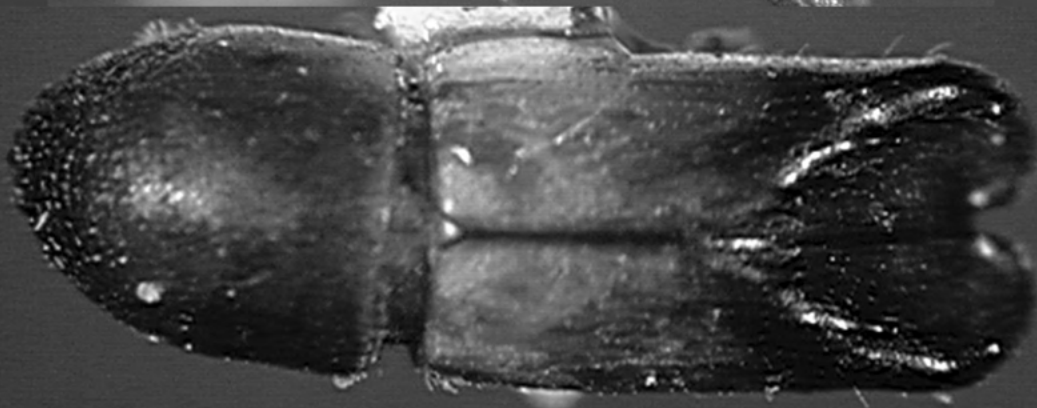
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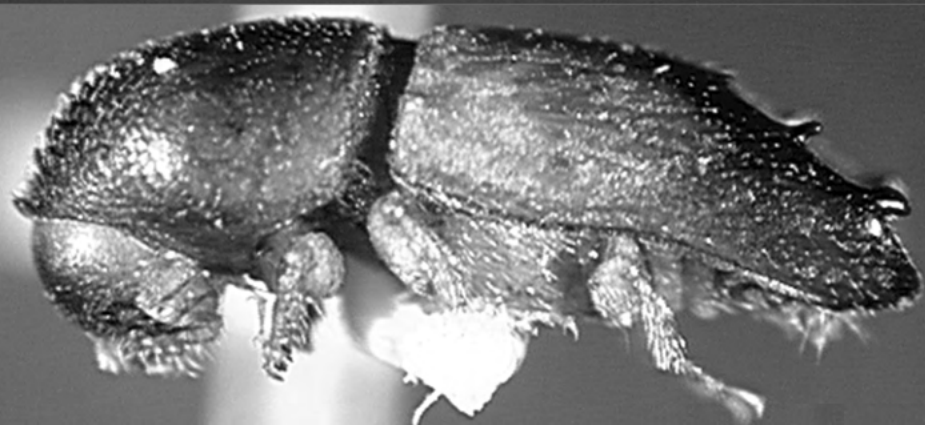
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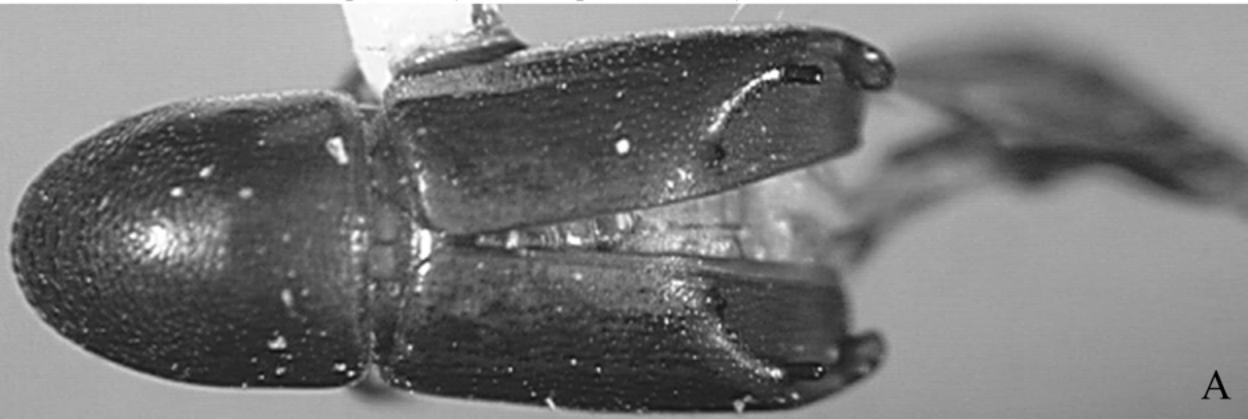
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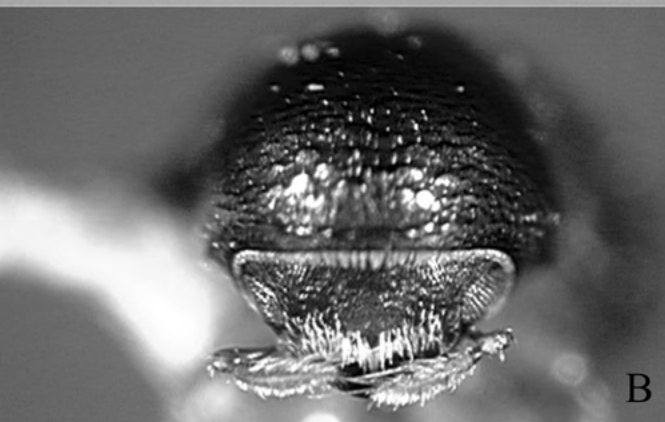
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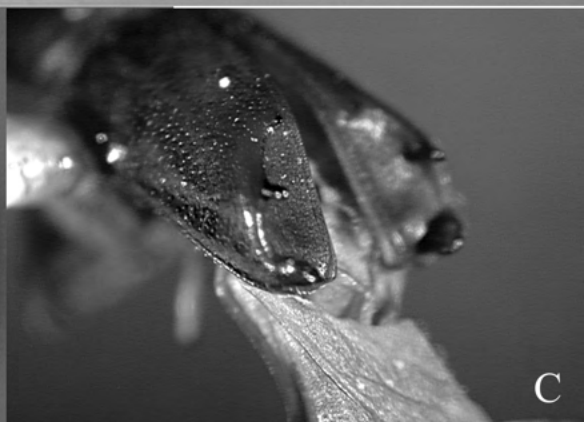
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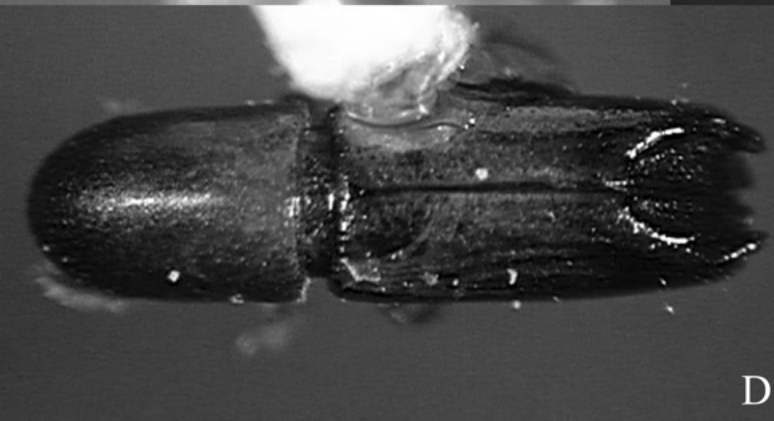
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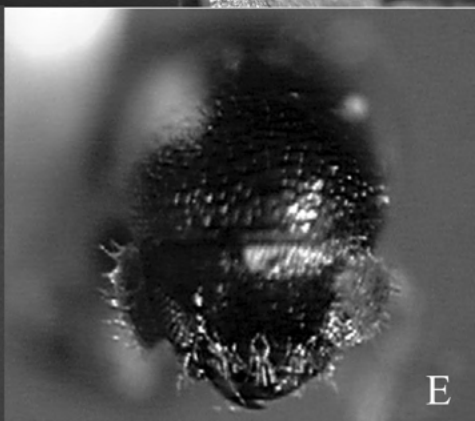
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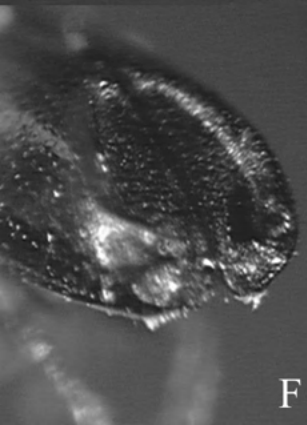
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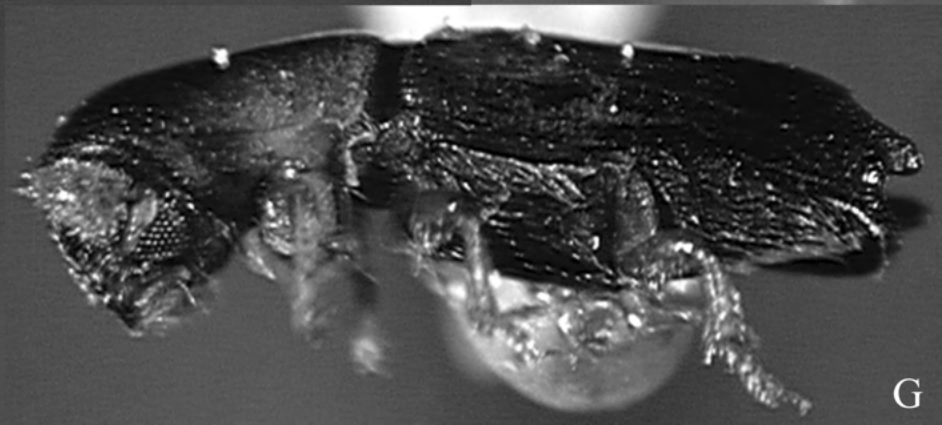
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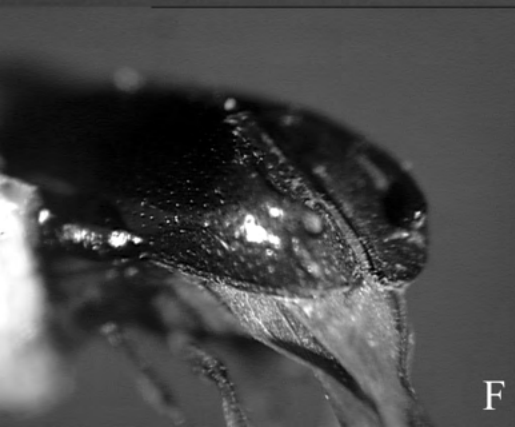
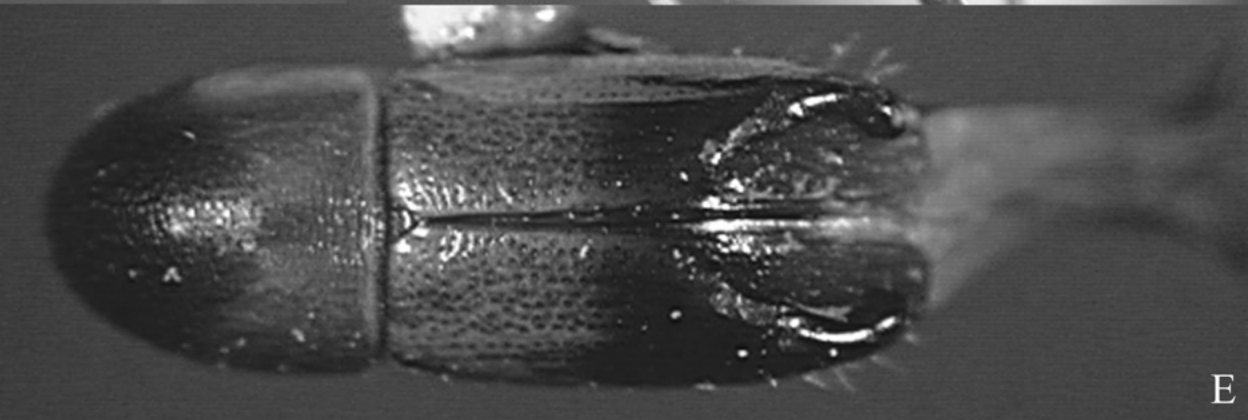
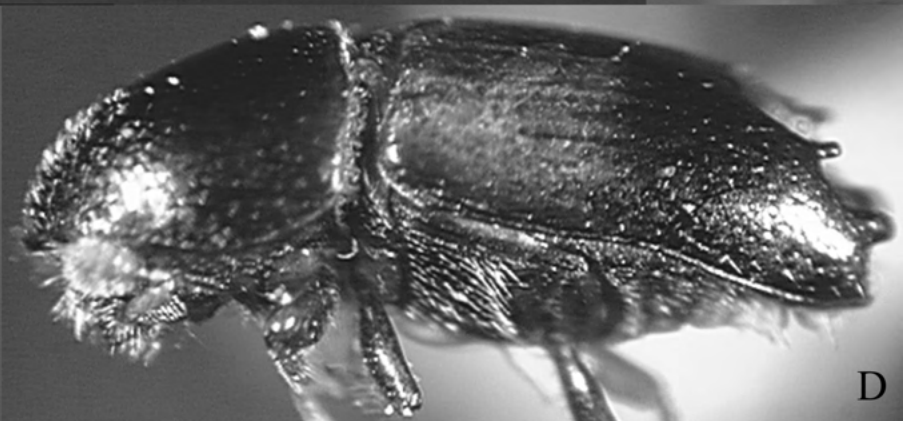
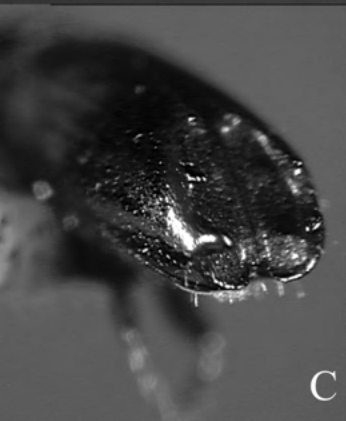
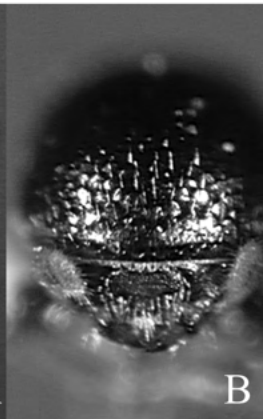
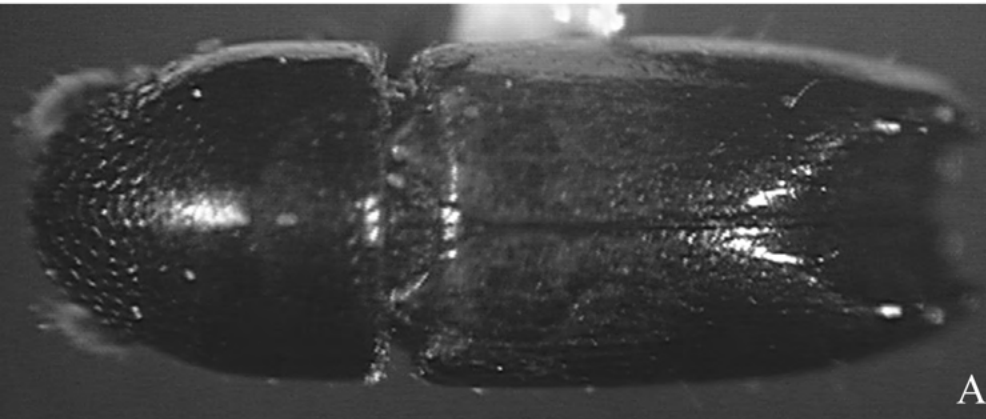
E



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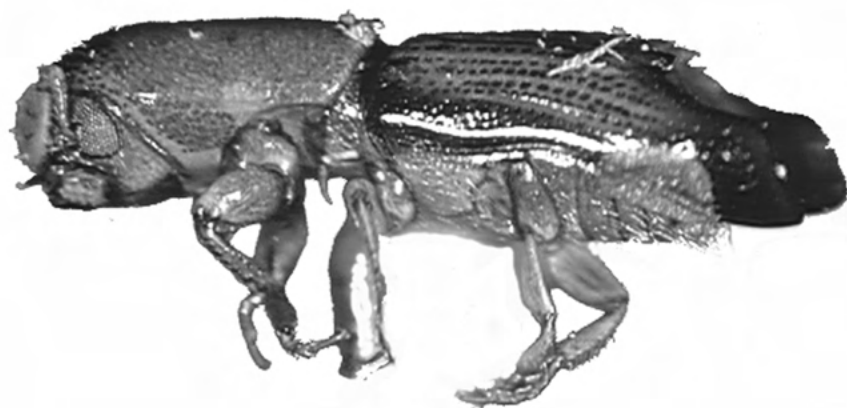
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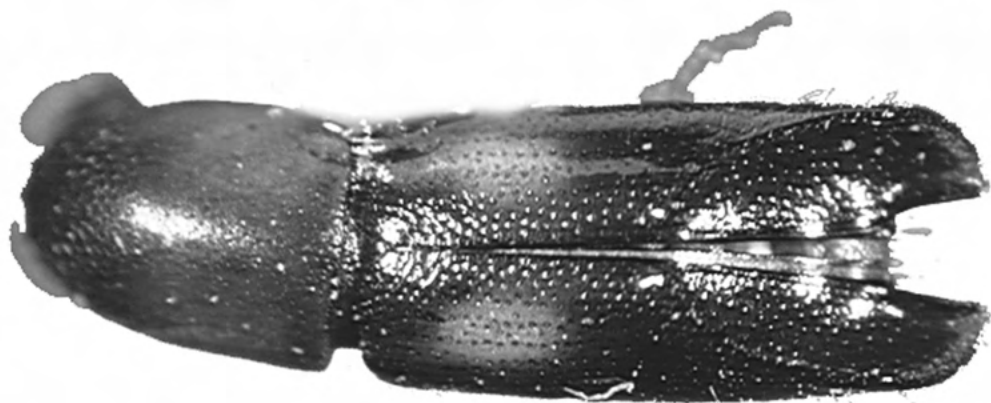
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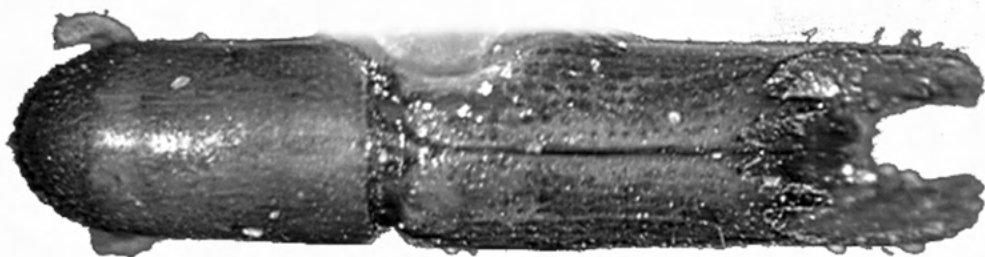
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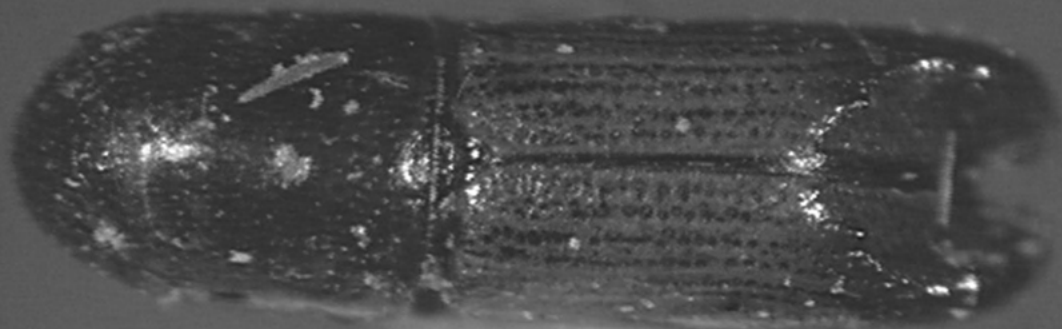
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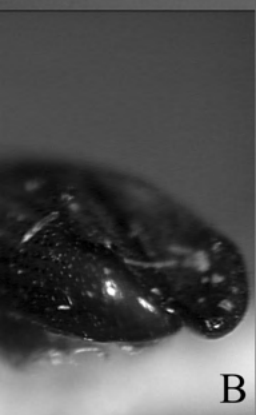
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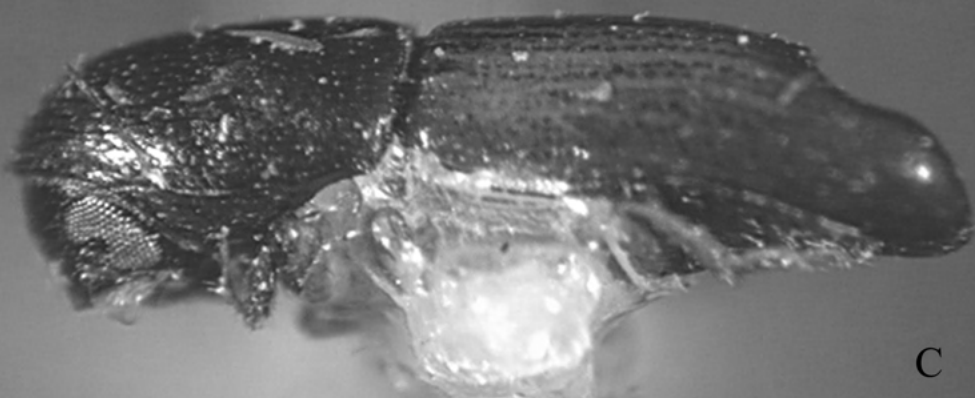
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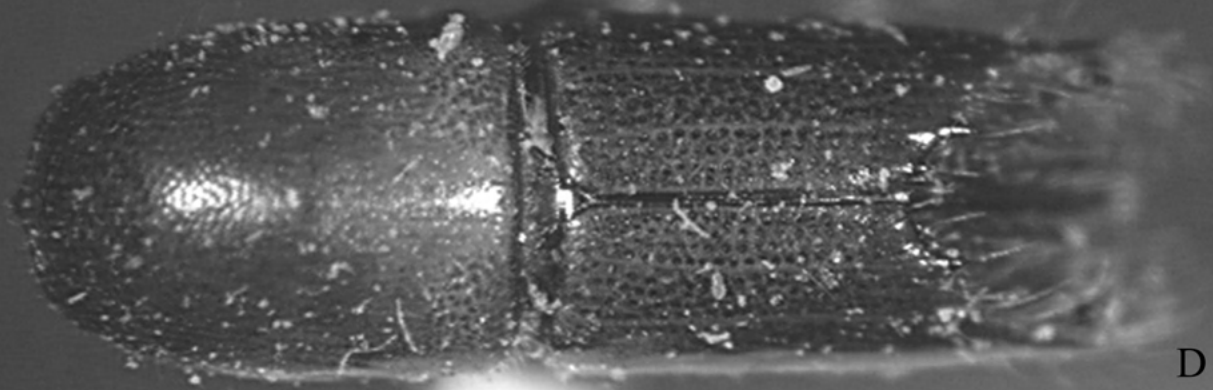
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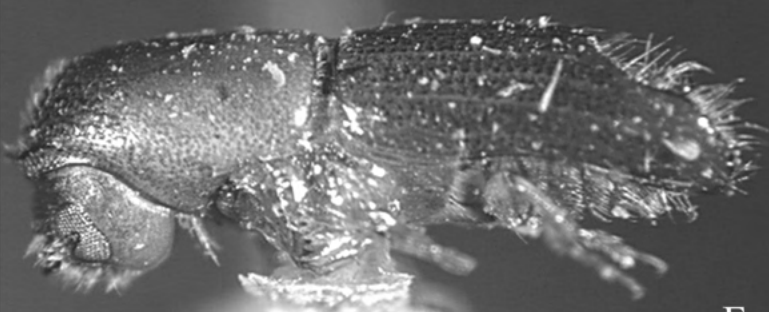
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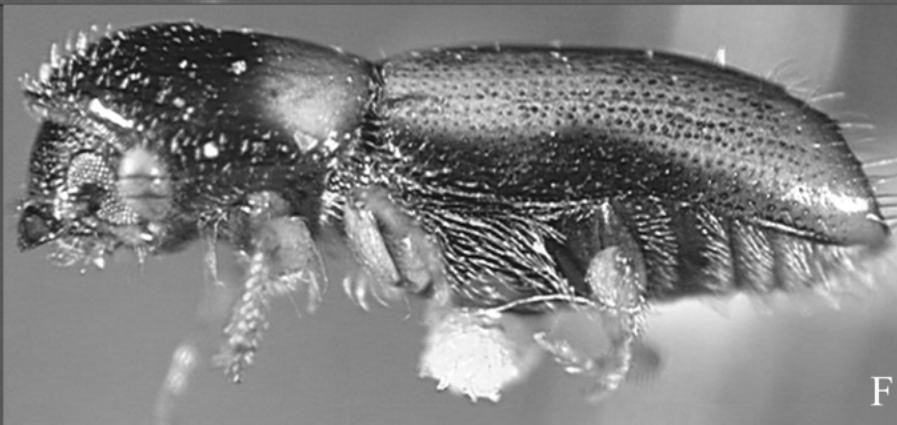
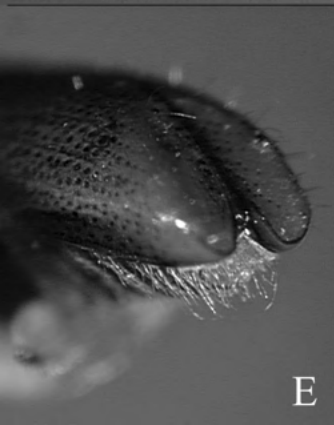
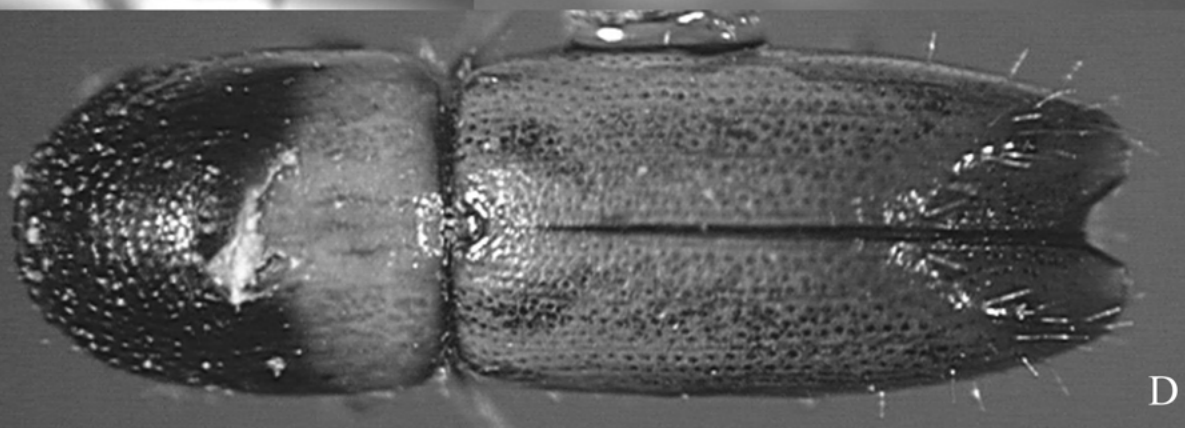
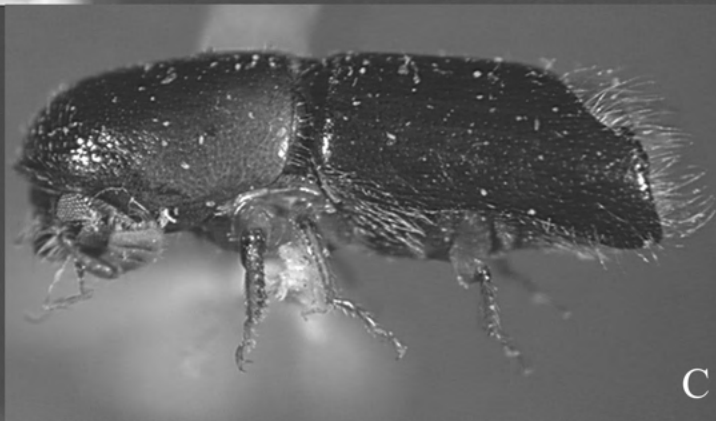
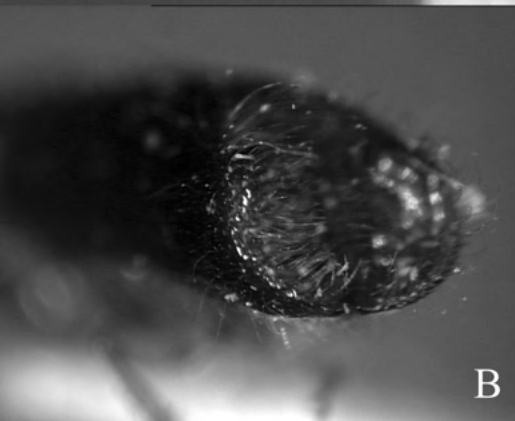
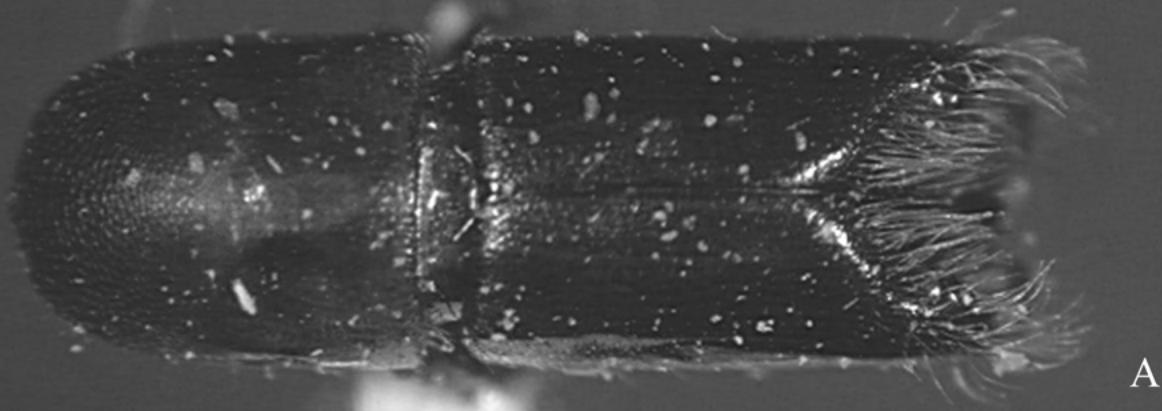
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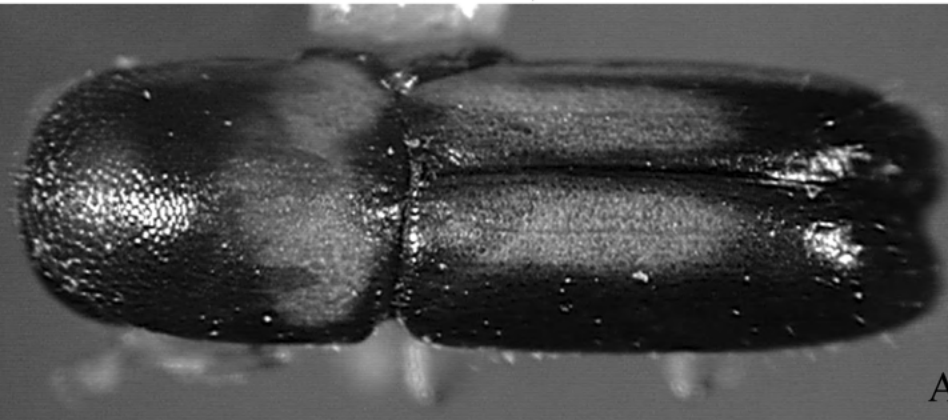


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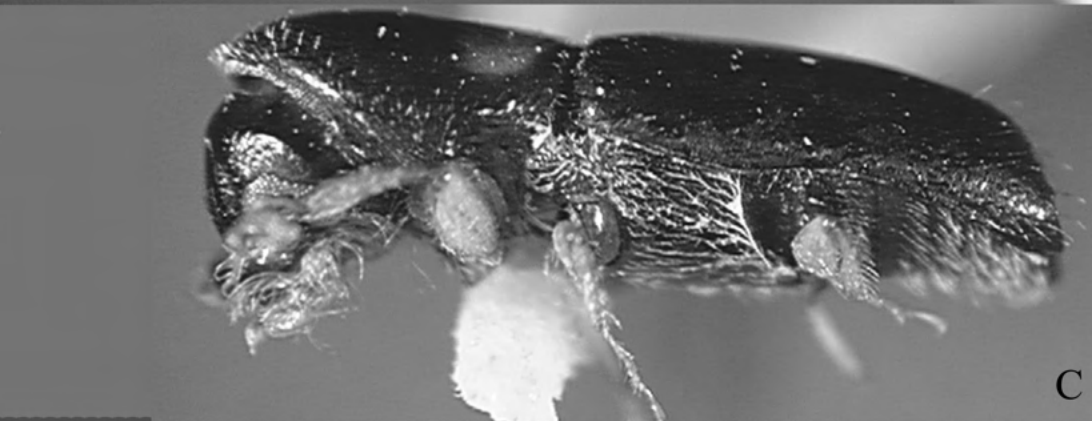




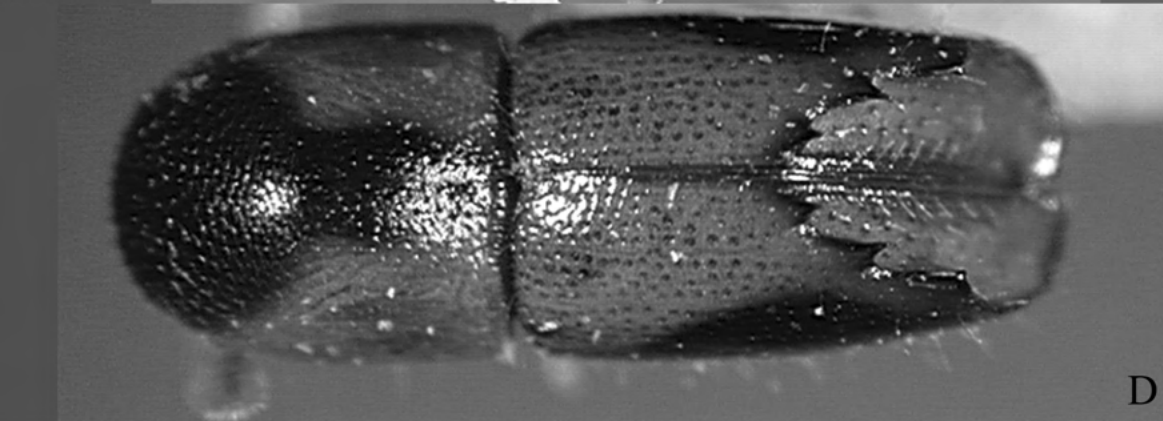
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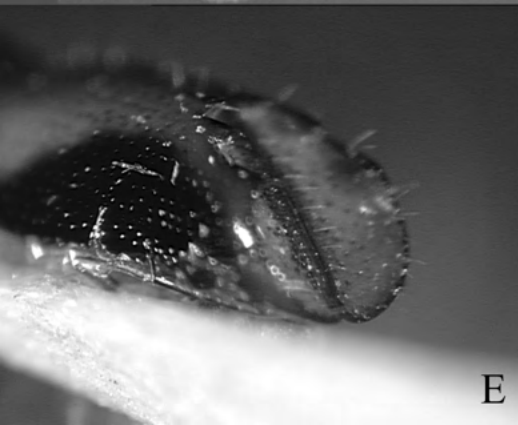
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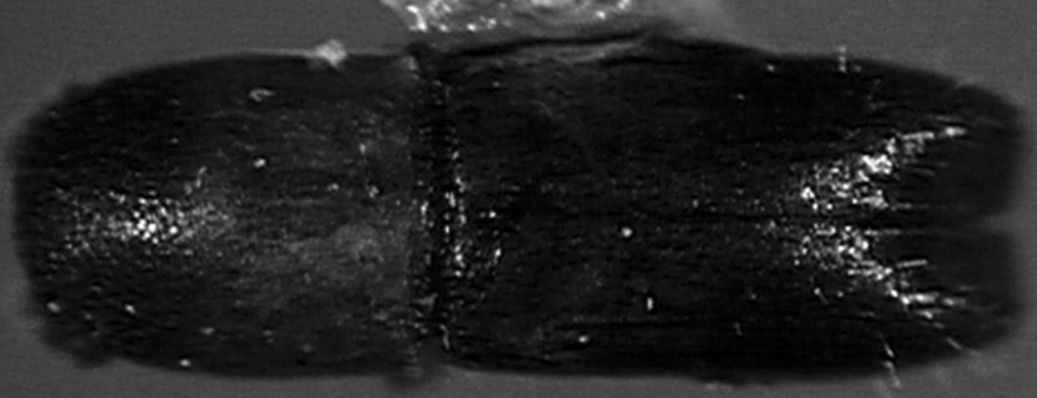
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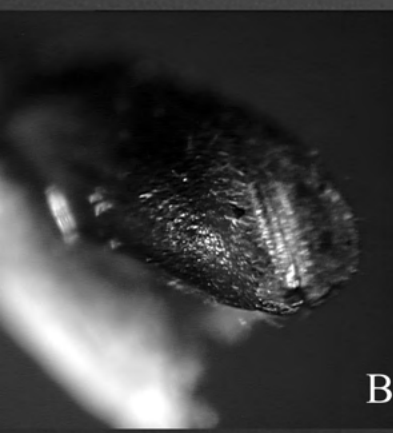
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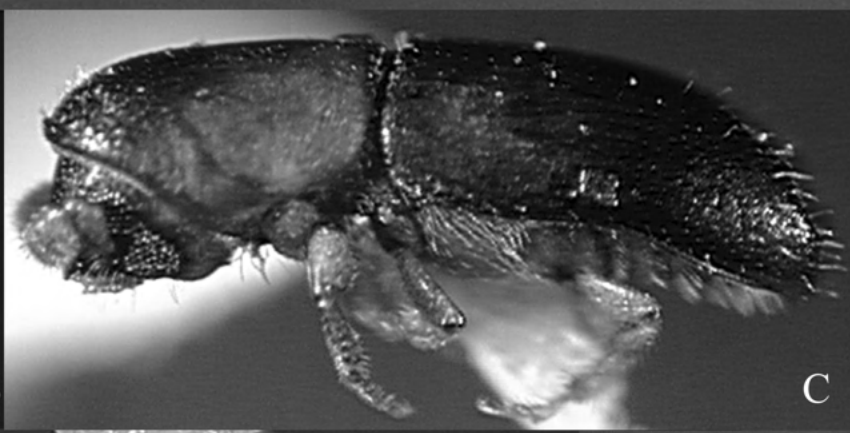
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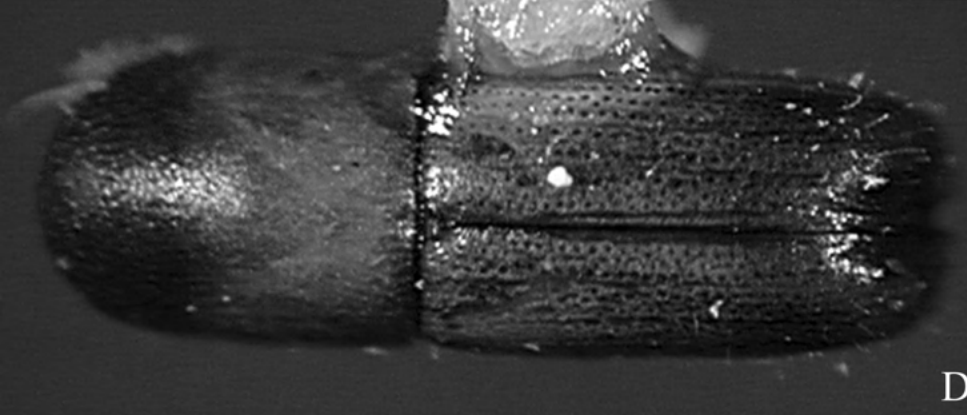
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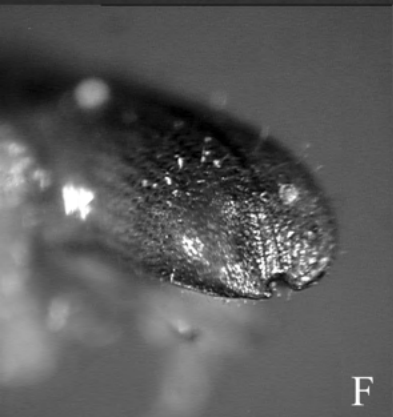
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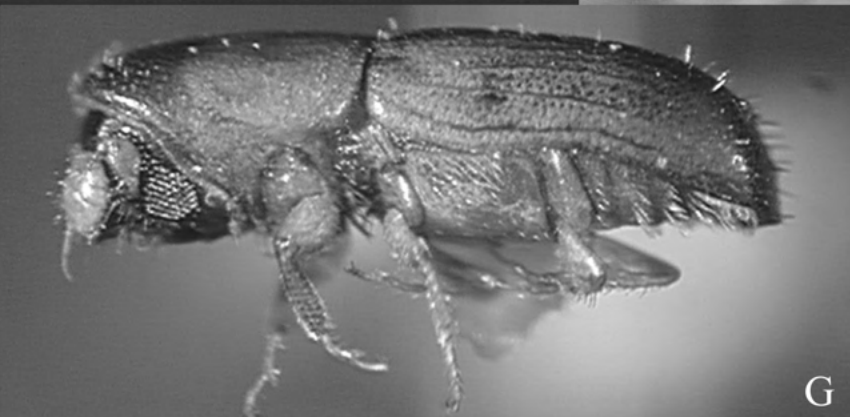
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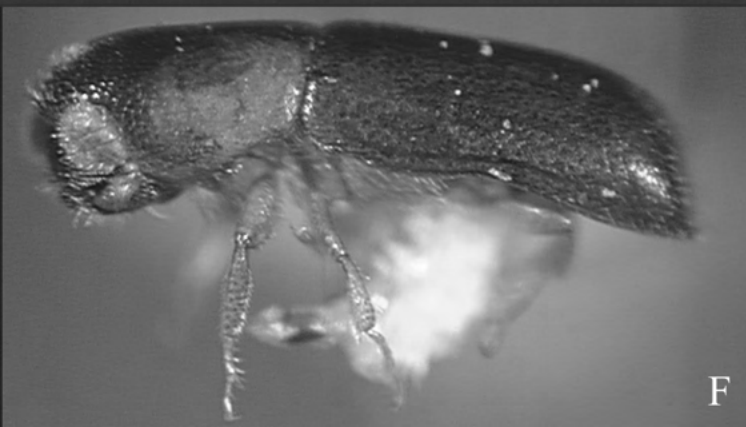
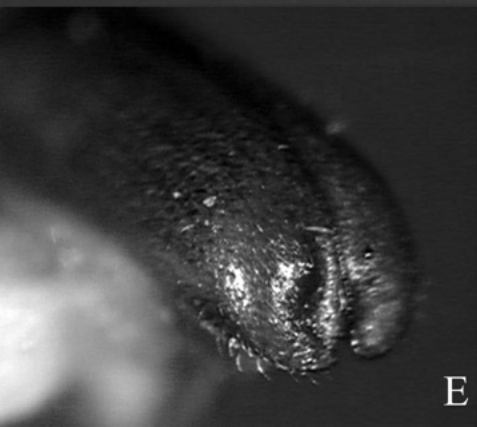
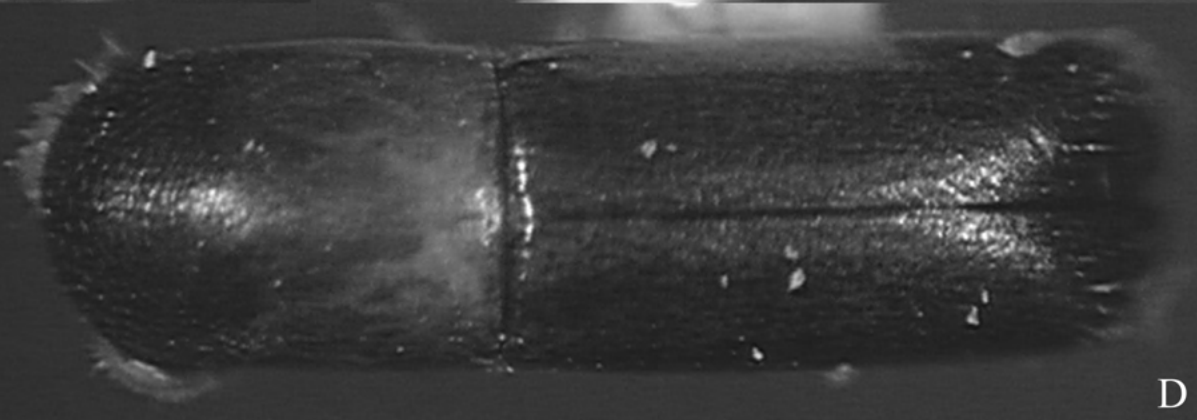
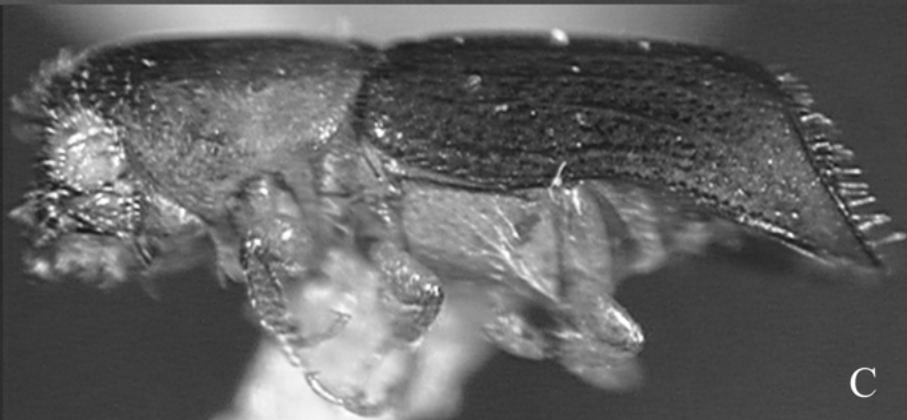
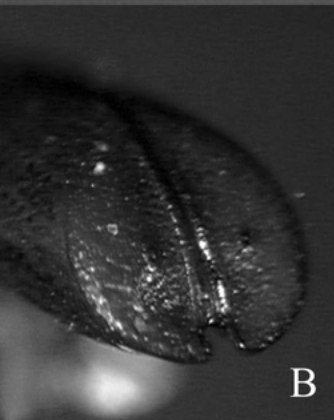
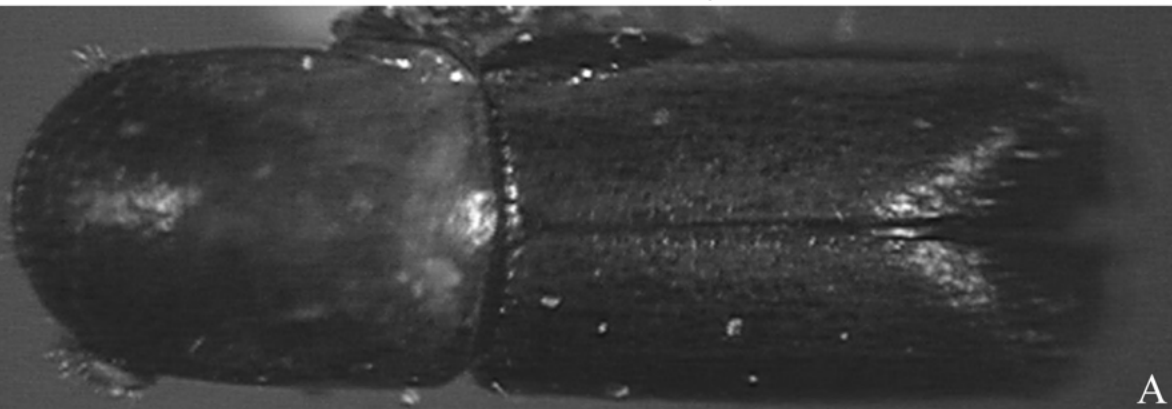
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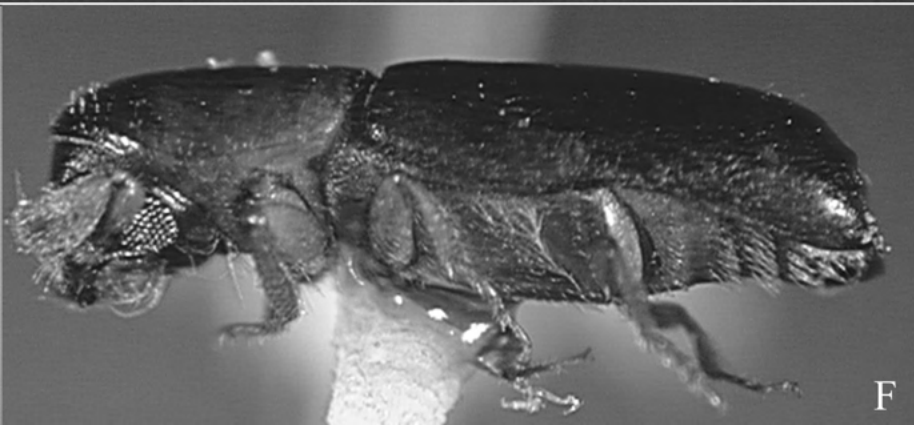
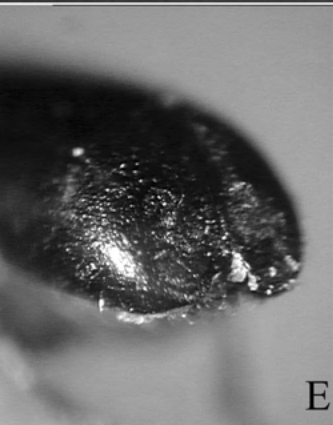
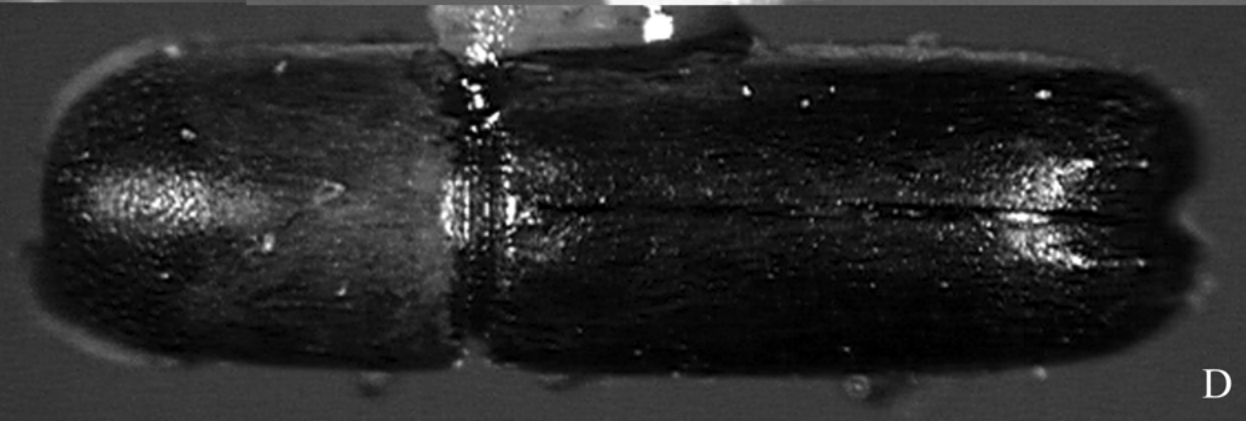
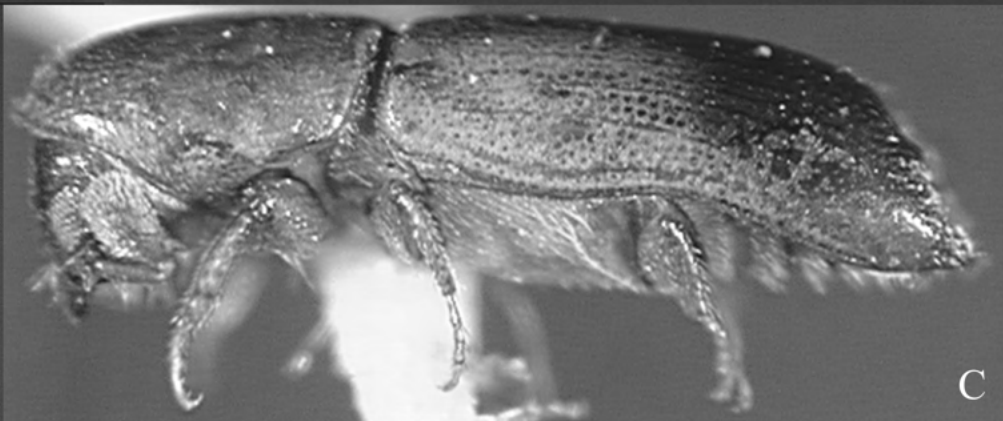
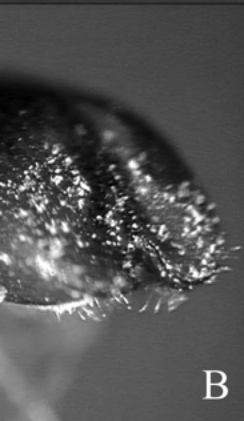
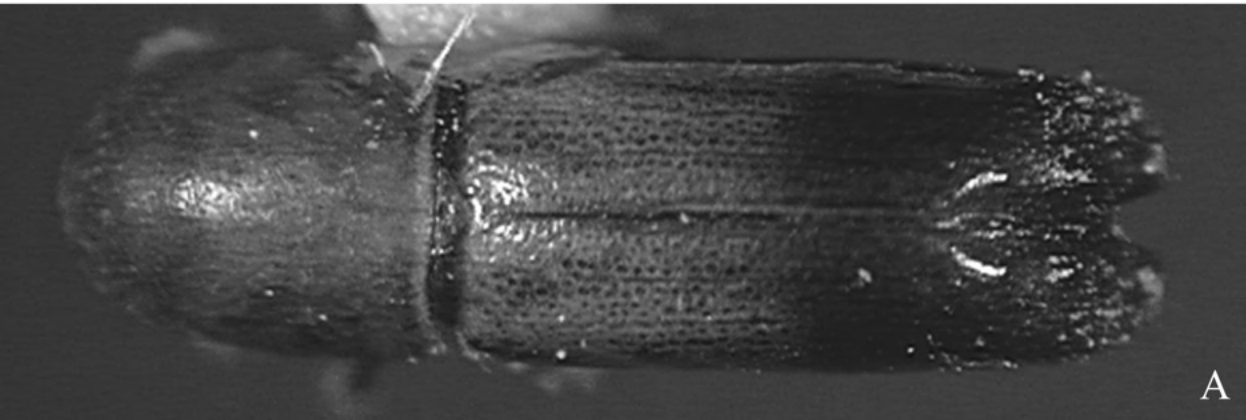


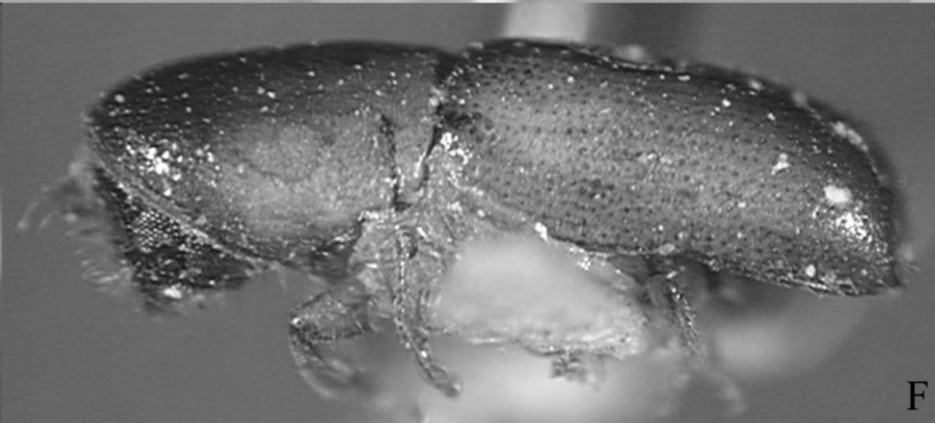
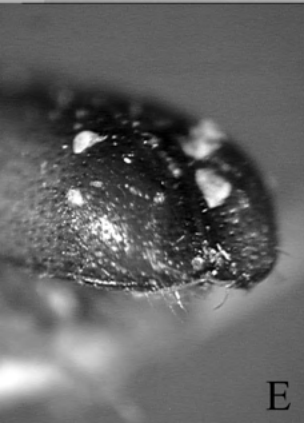
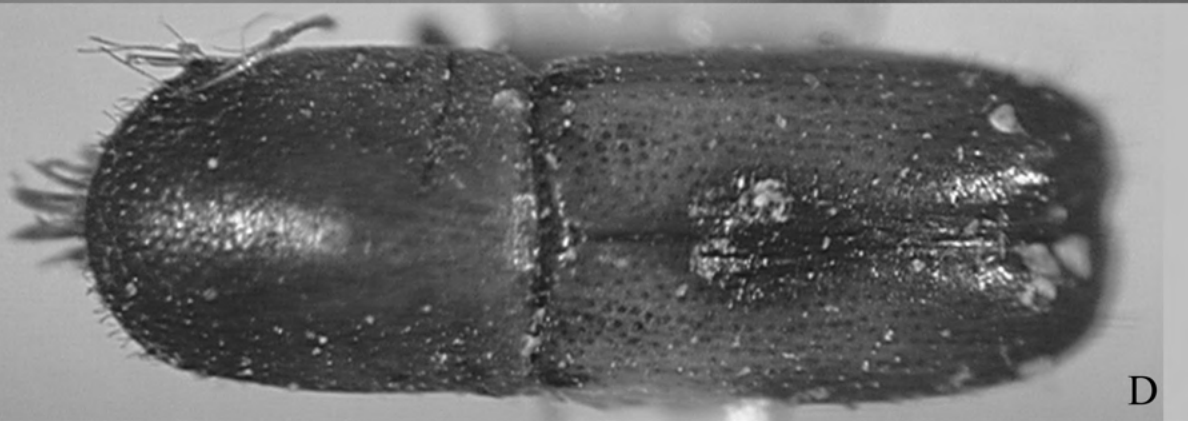
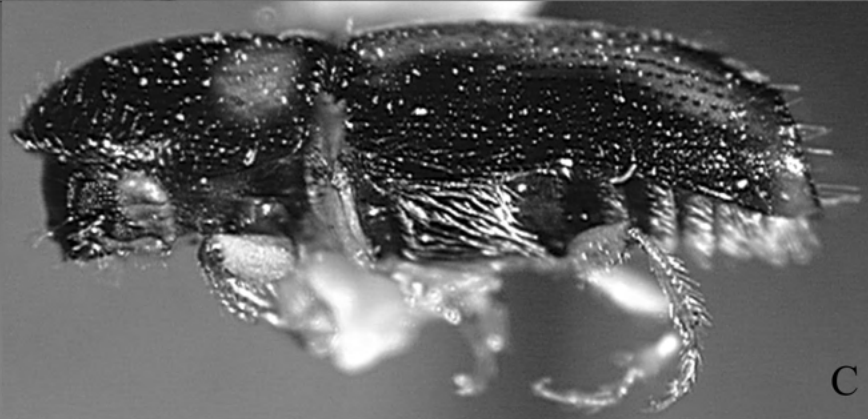
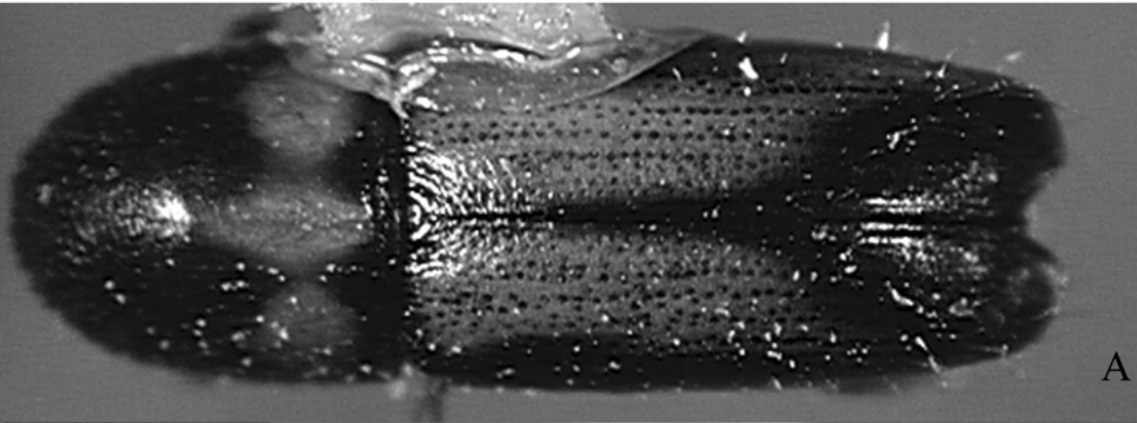
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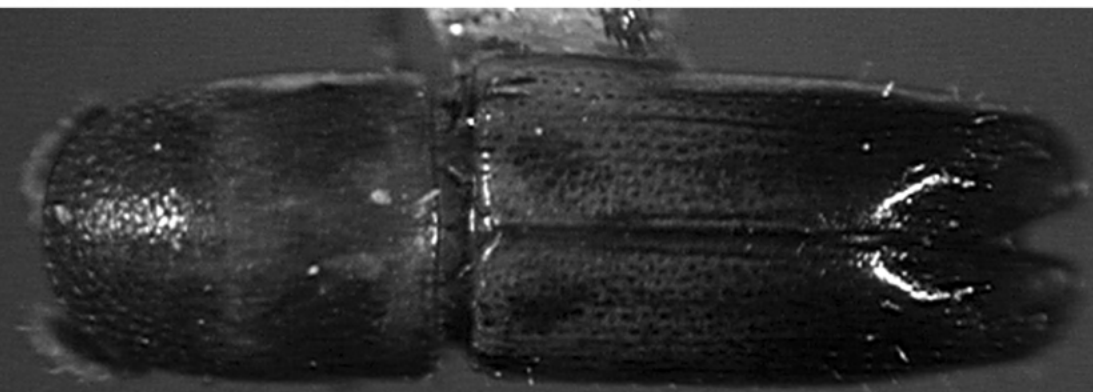


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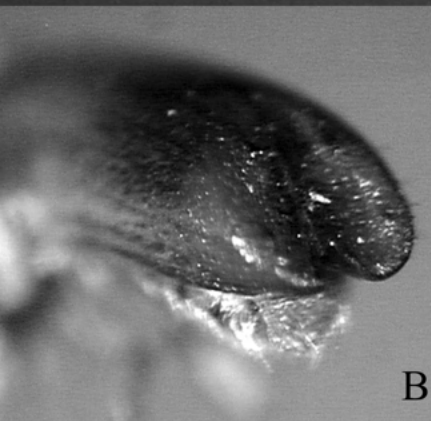




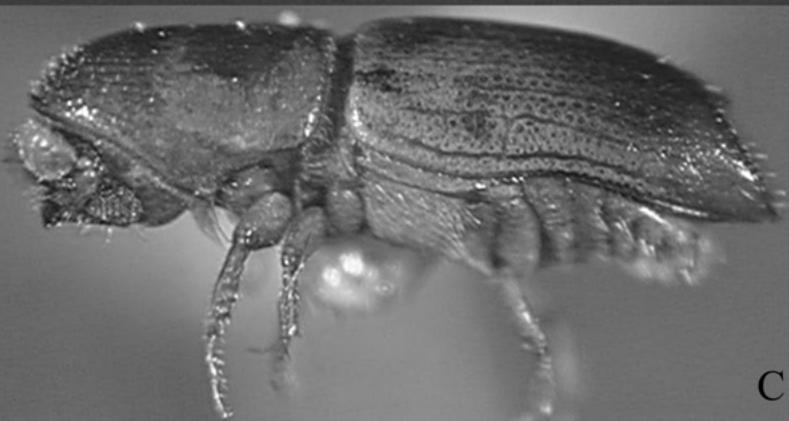




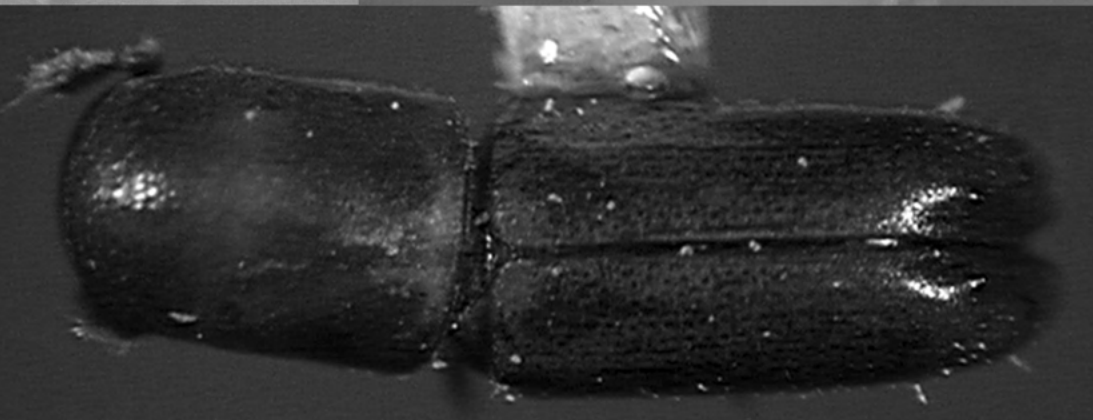
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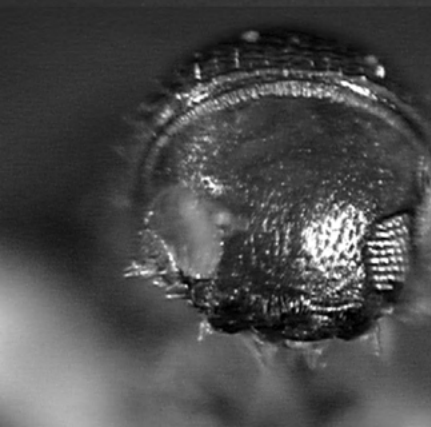
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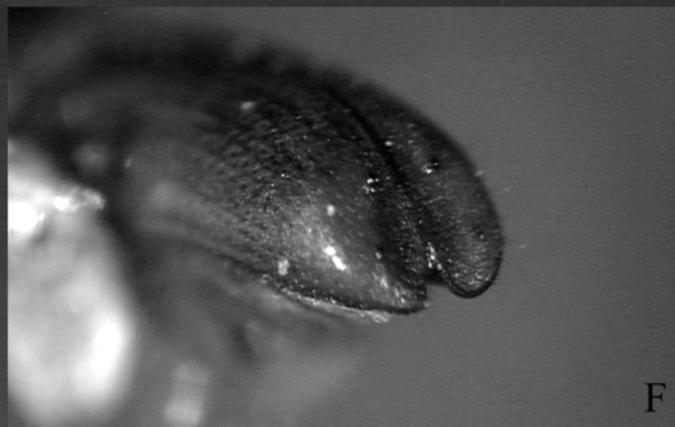
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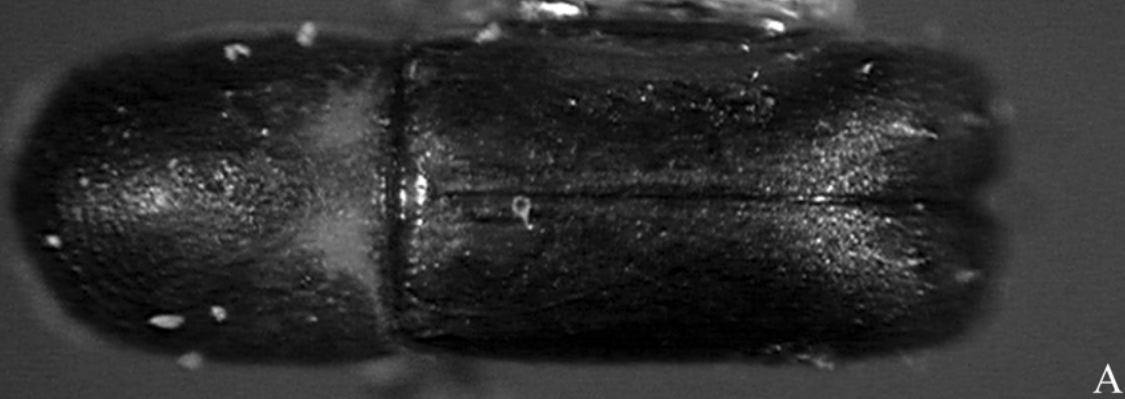
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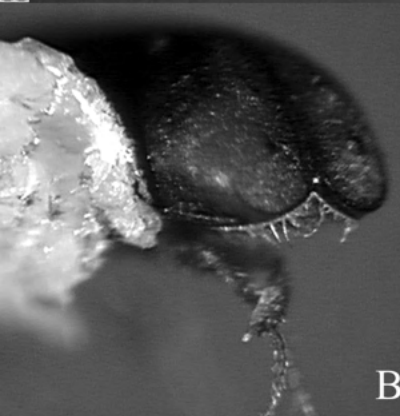
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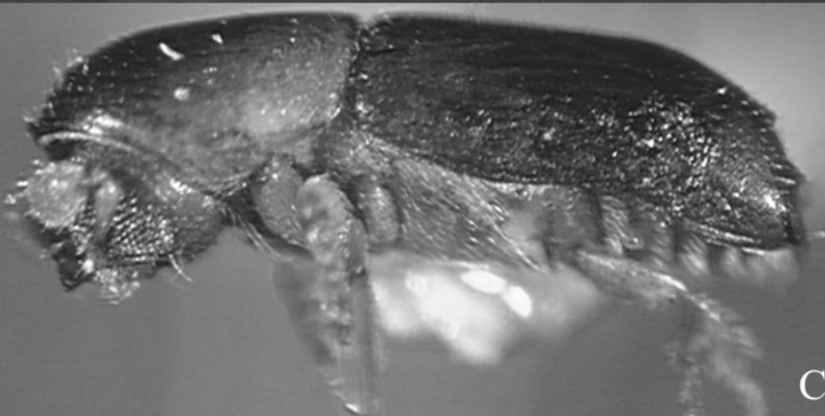
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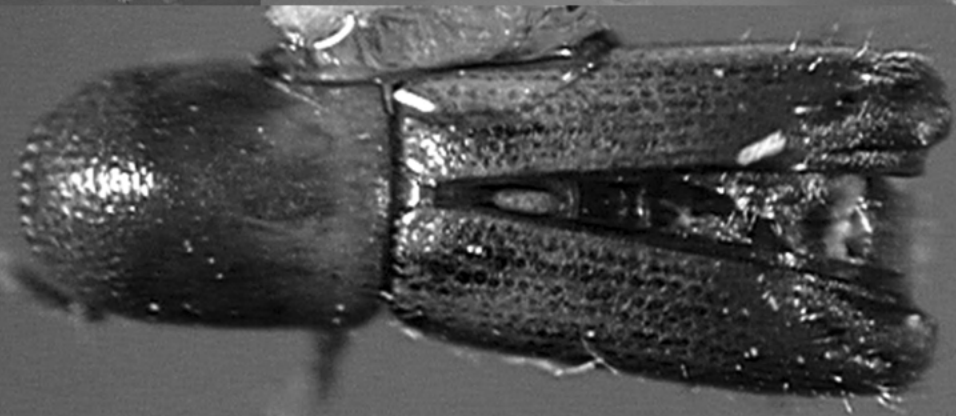
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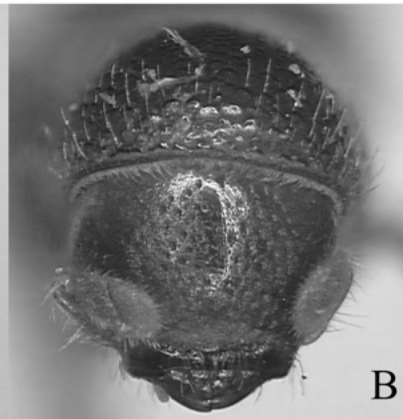
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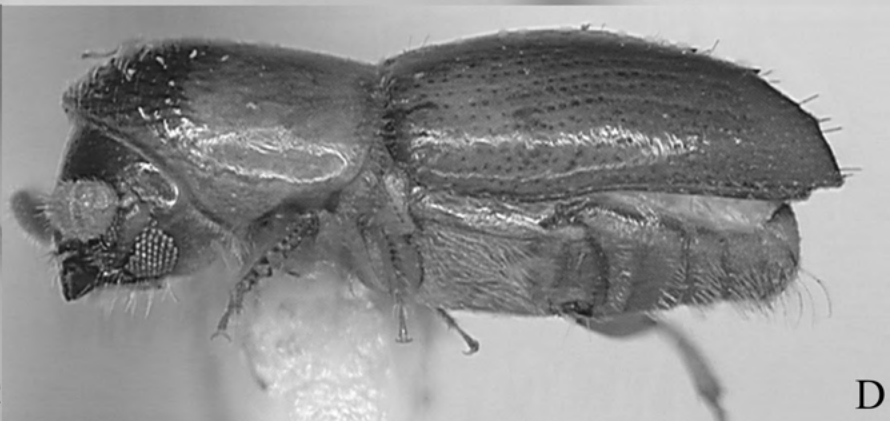
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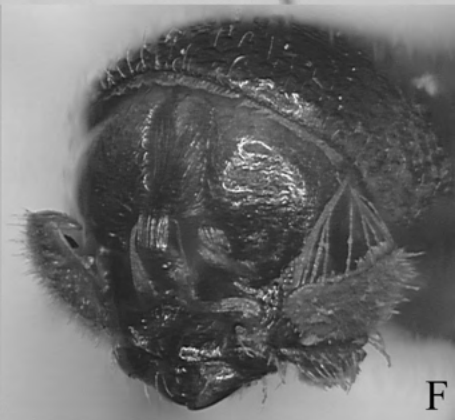
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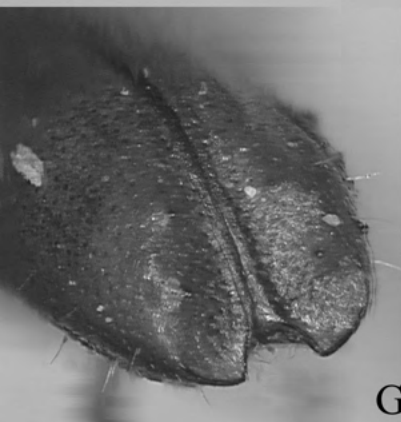
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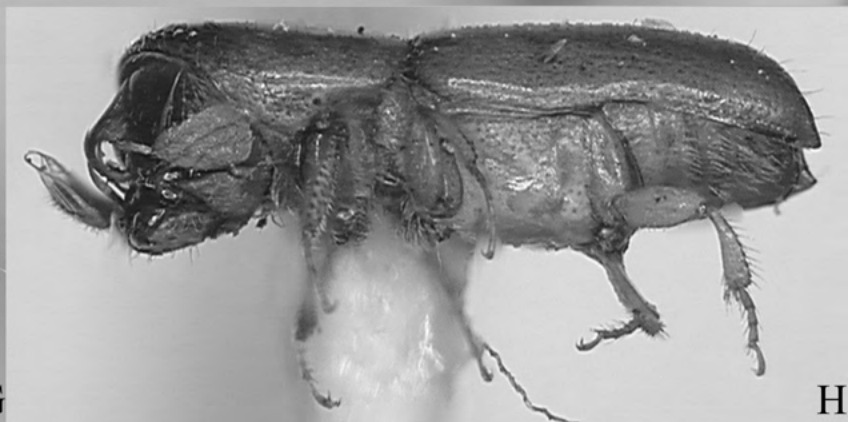
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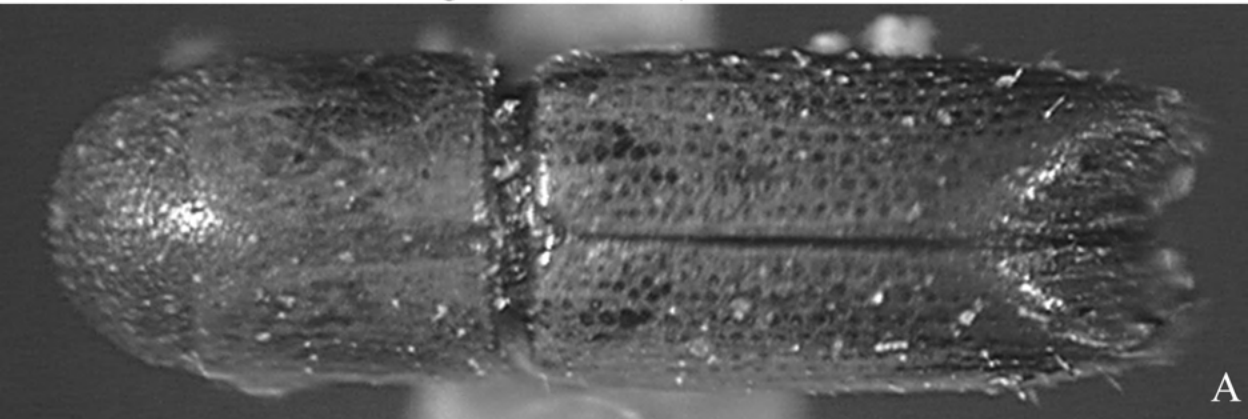
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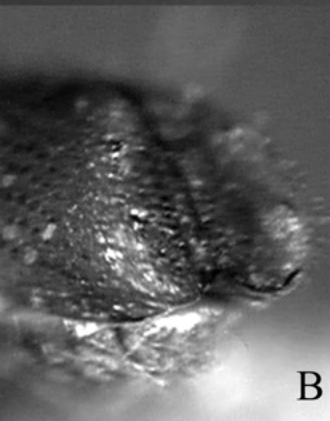
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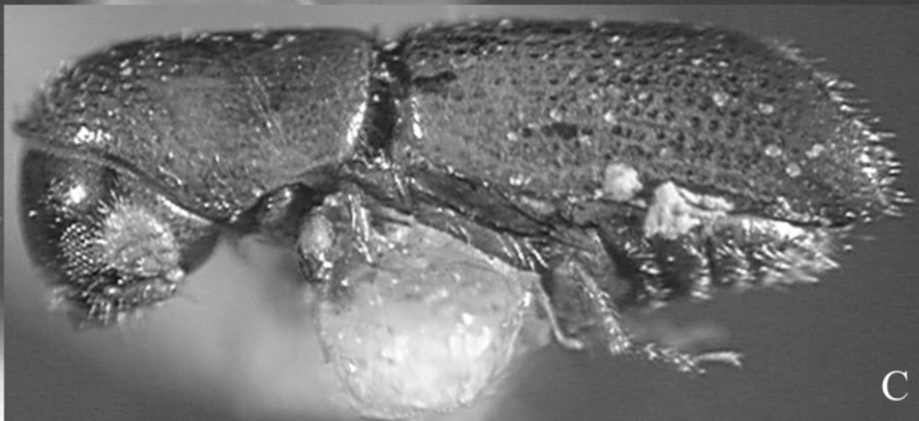
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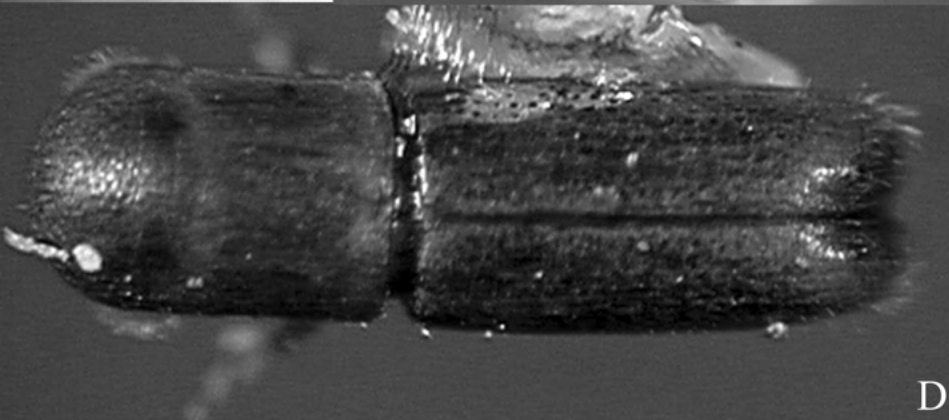
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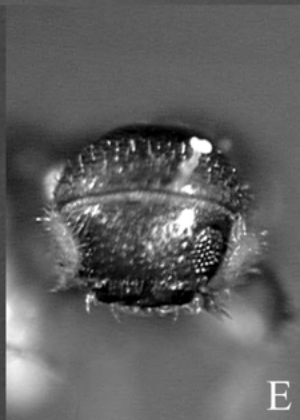
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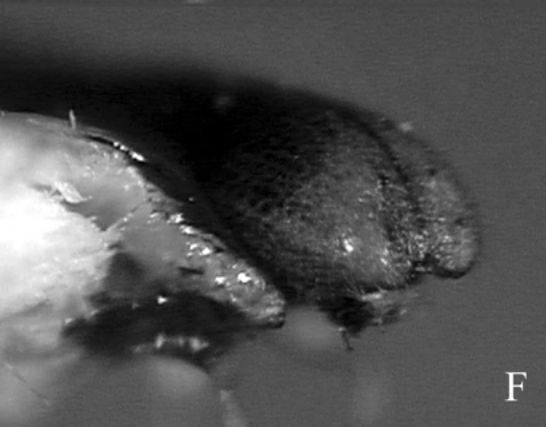
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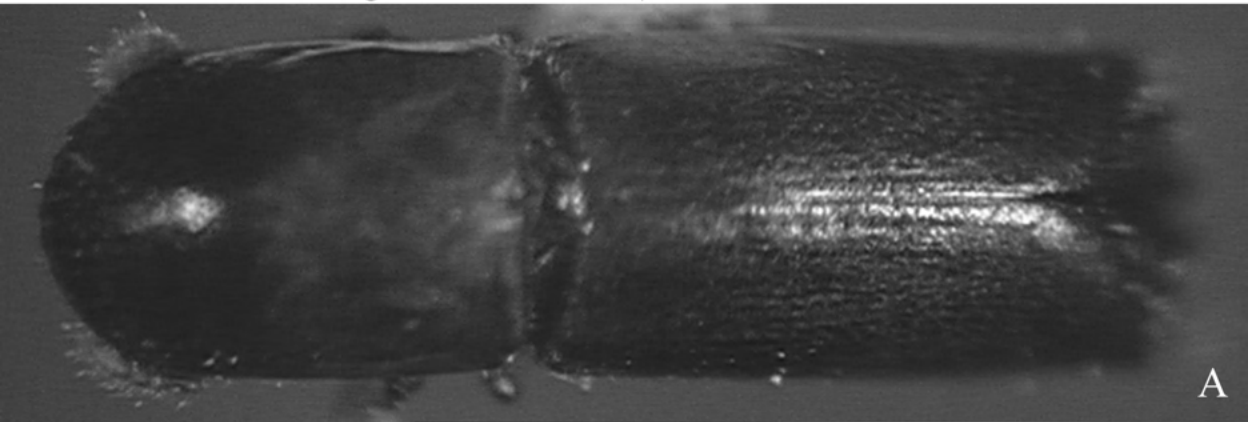
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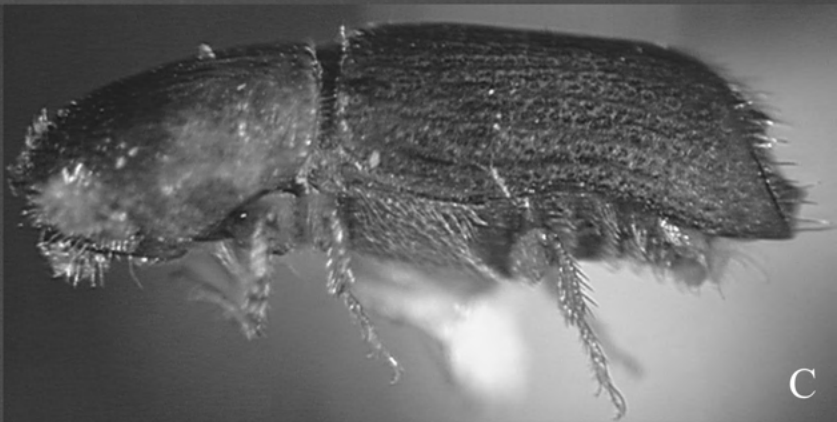
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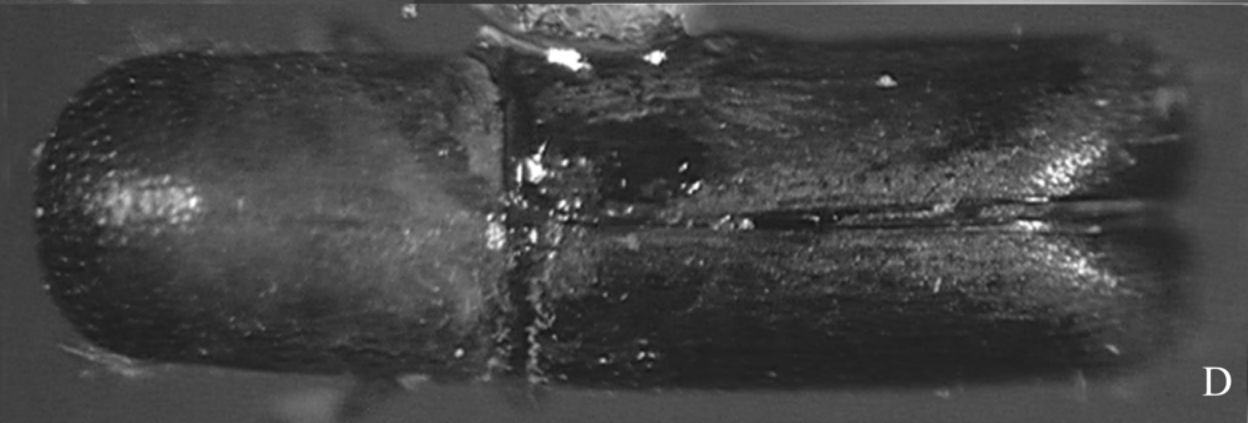
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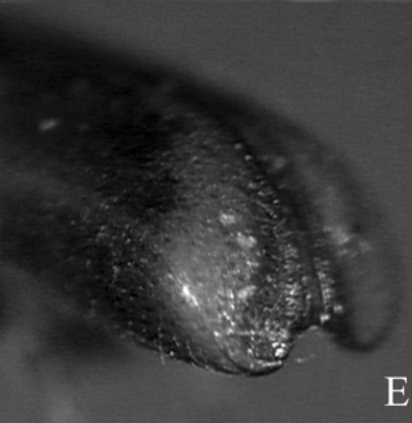
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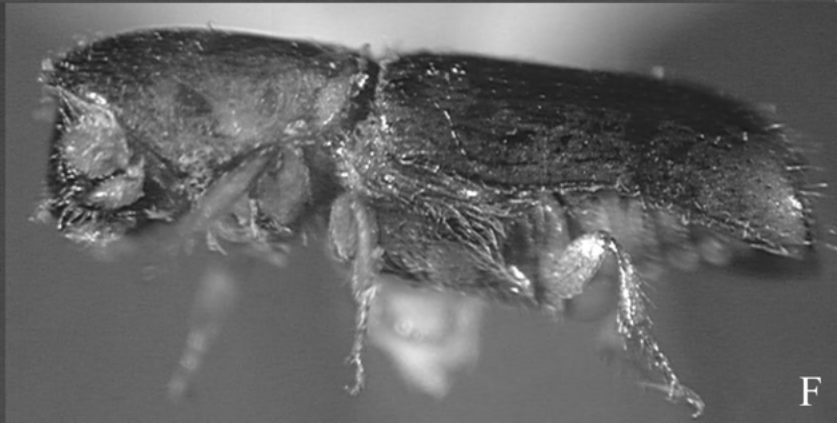
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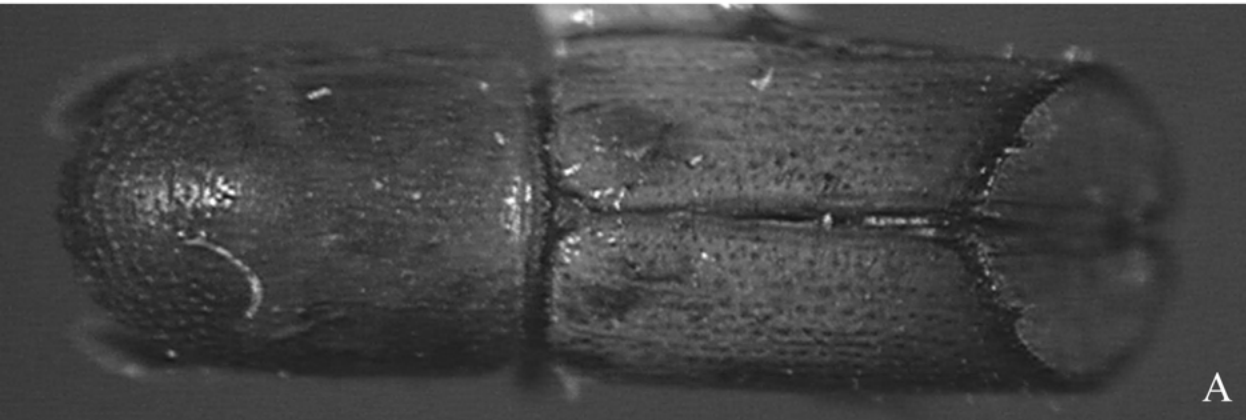
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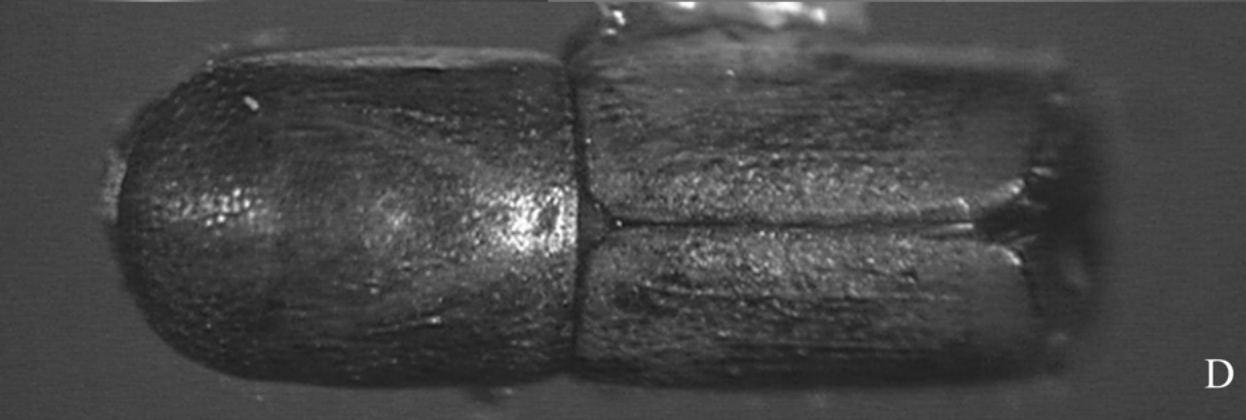
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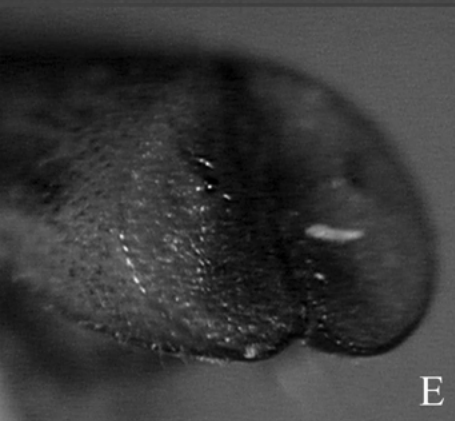
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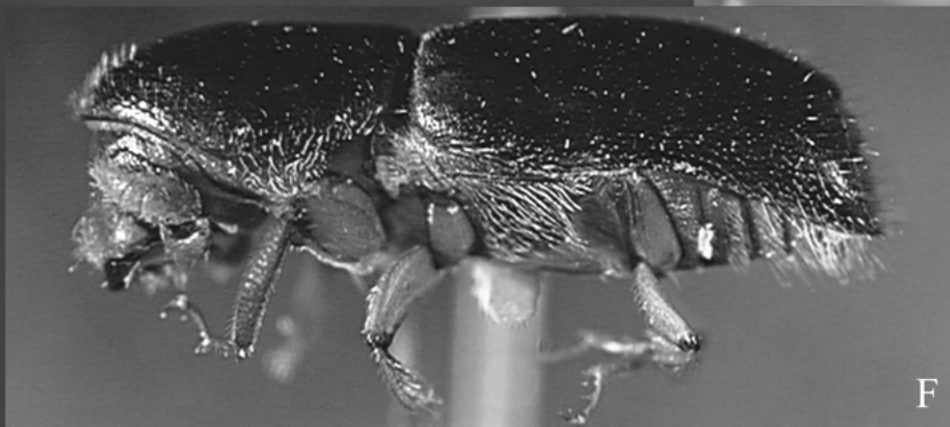
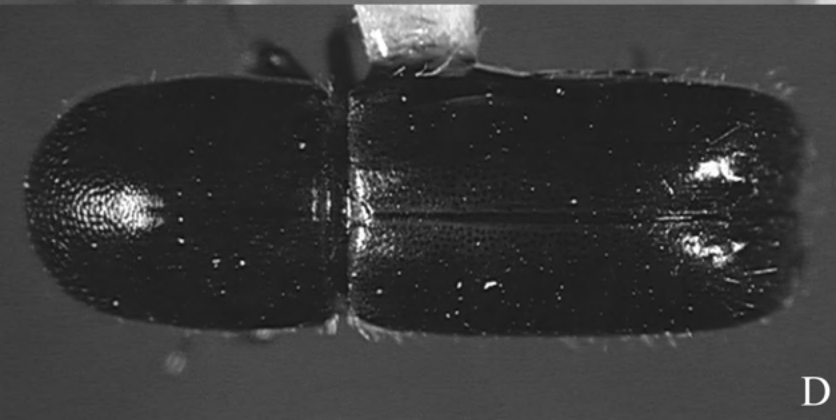
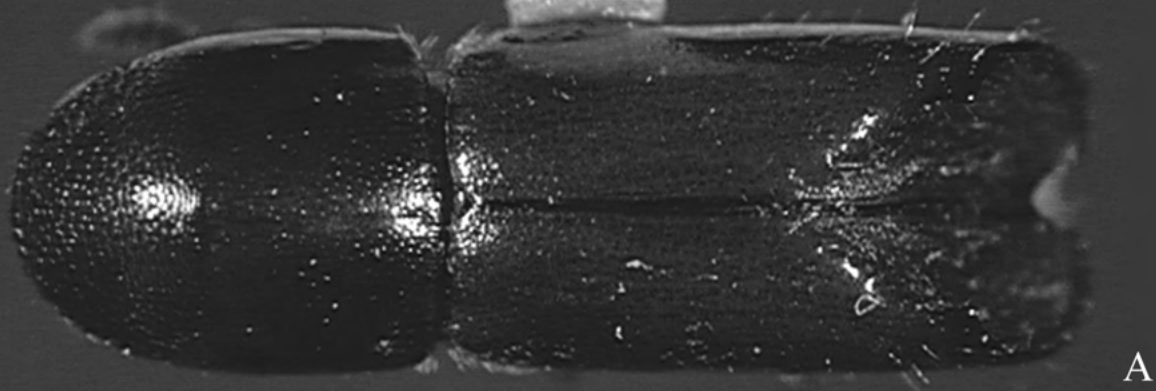
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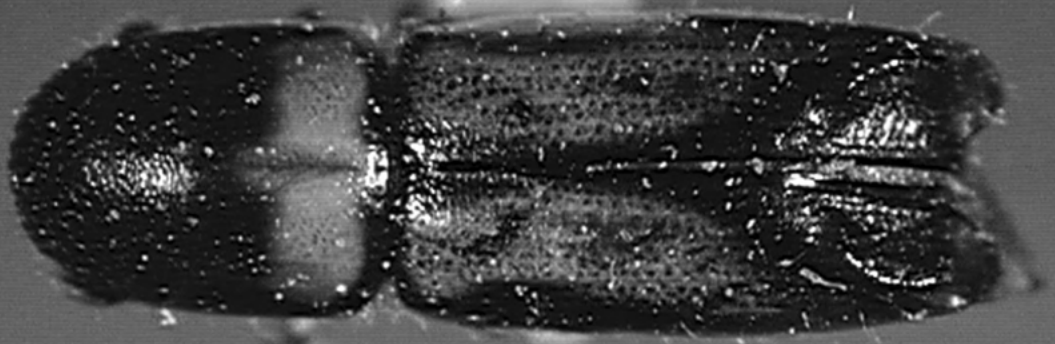


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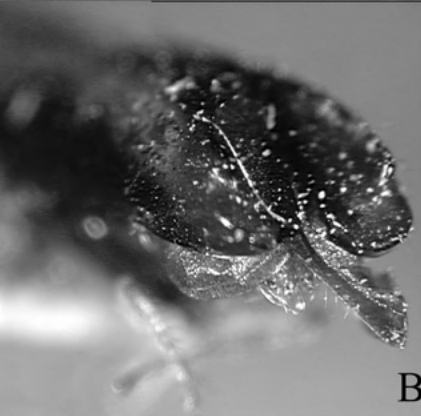


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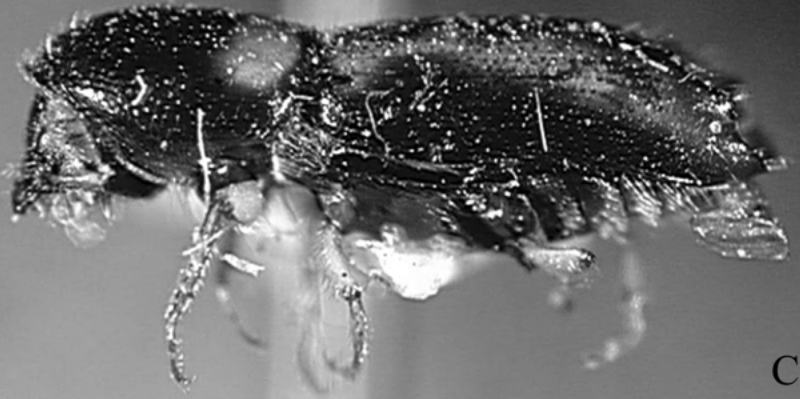




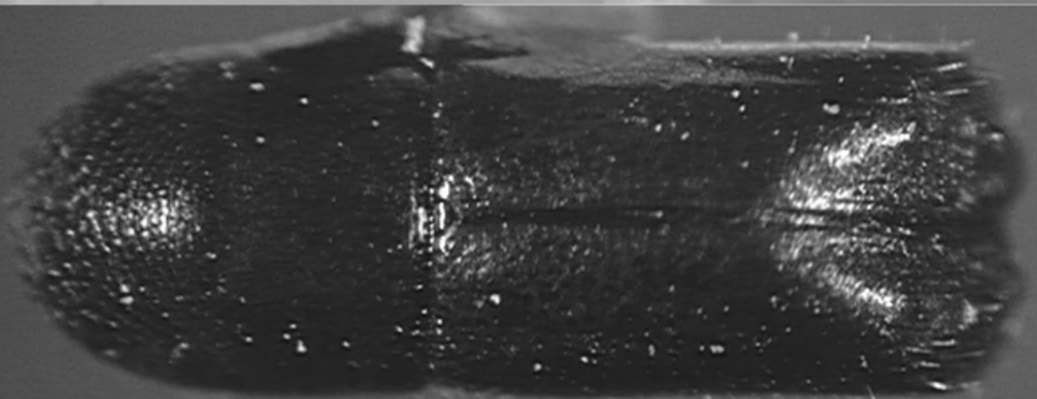
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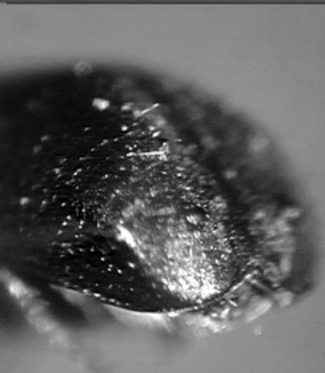
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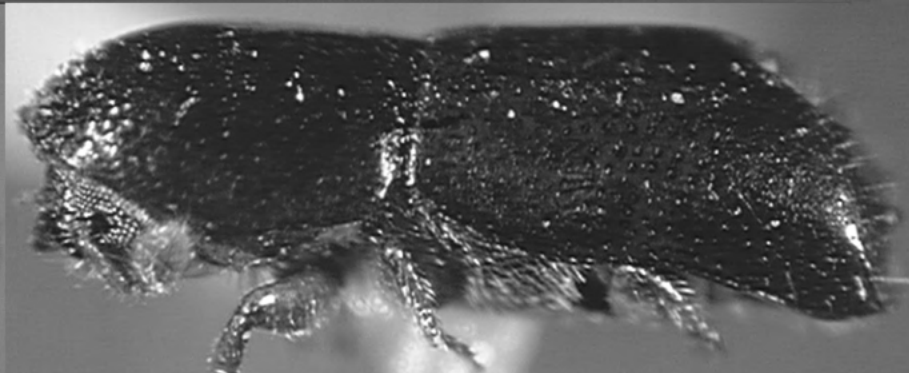
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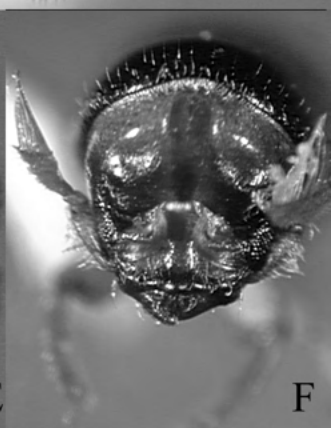
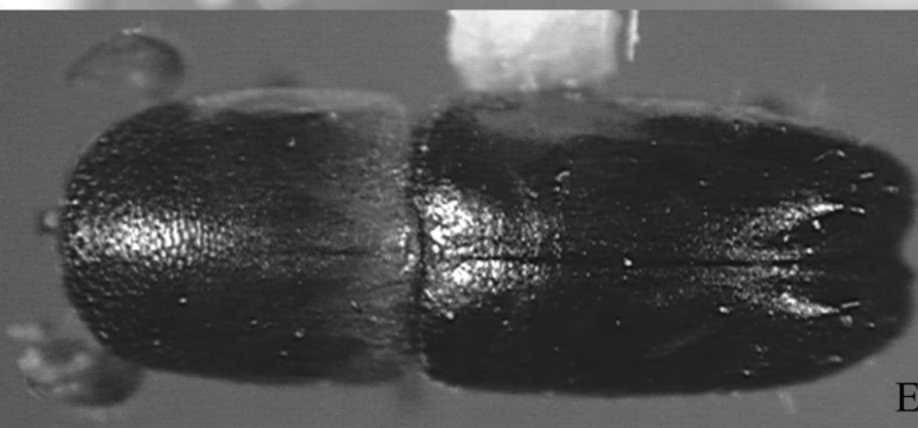
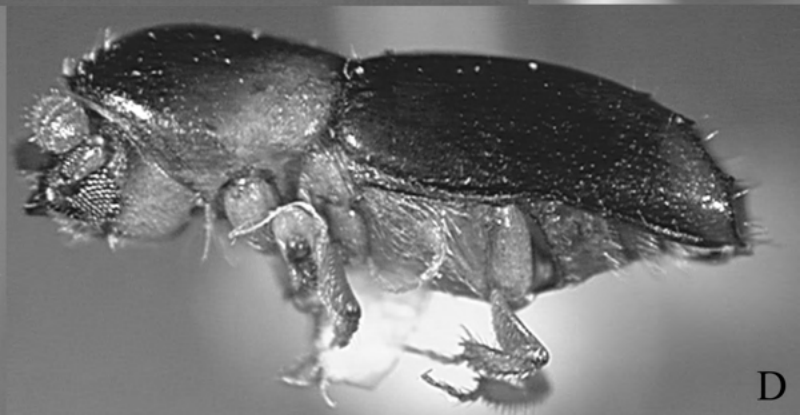
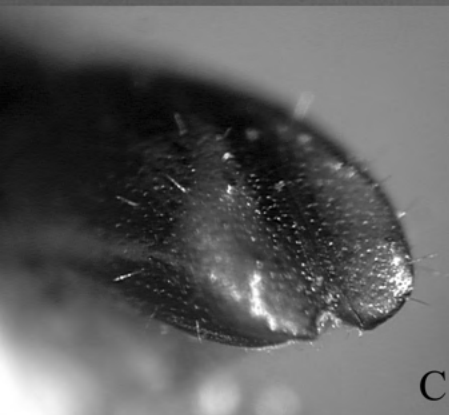
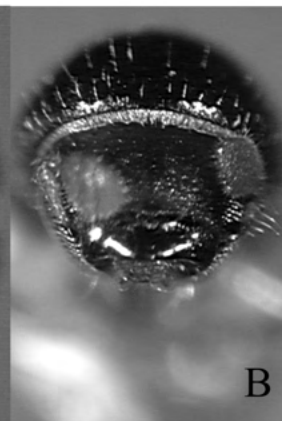
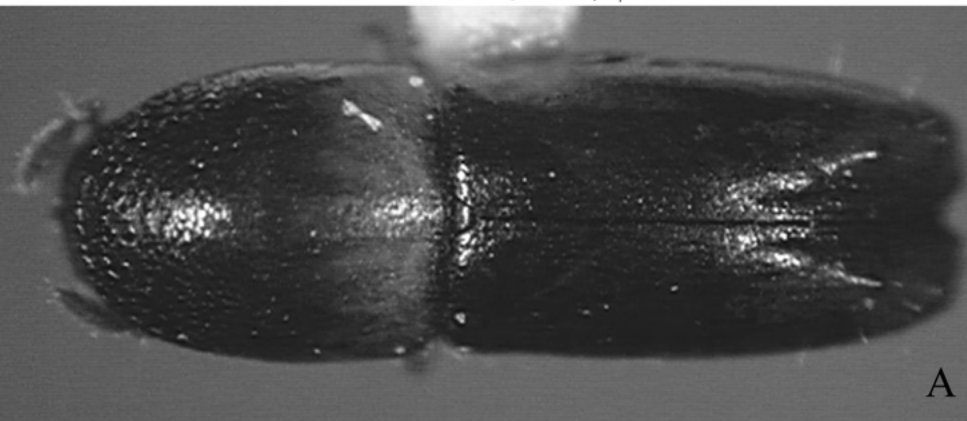
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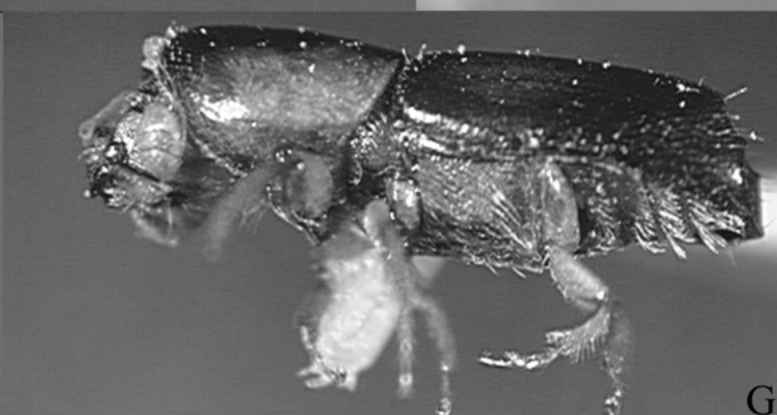
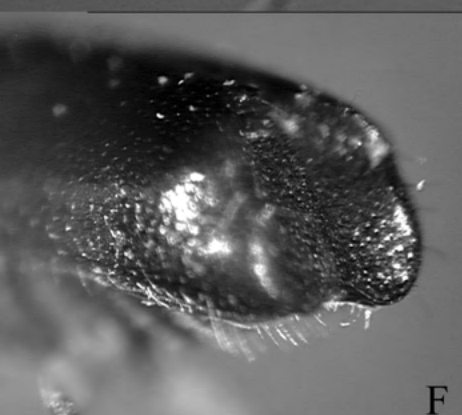
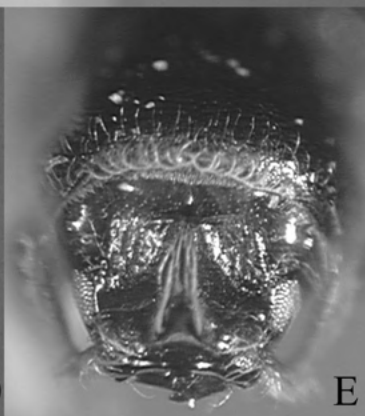
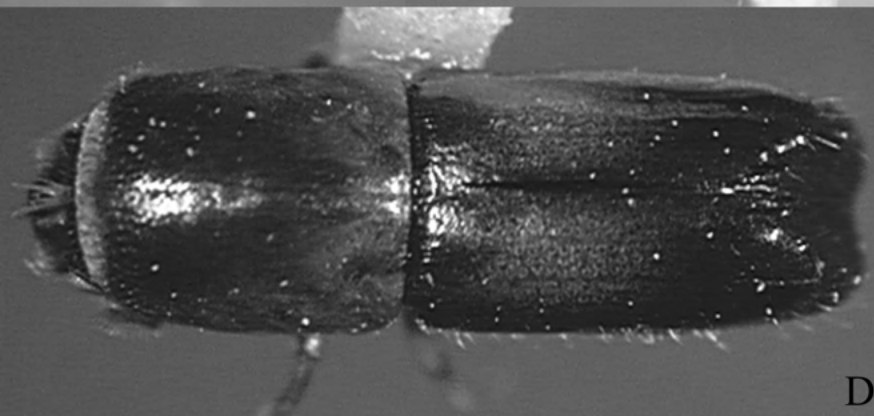
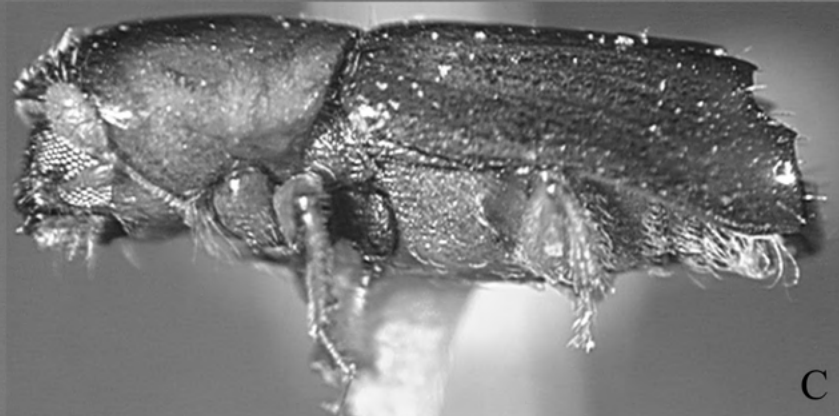
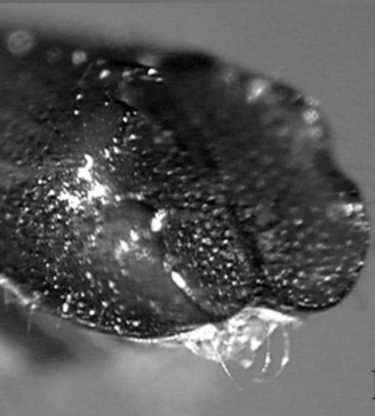
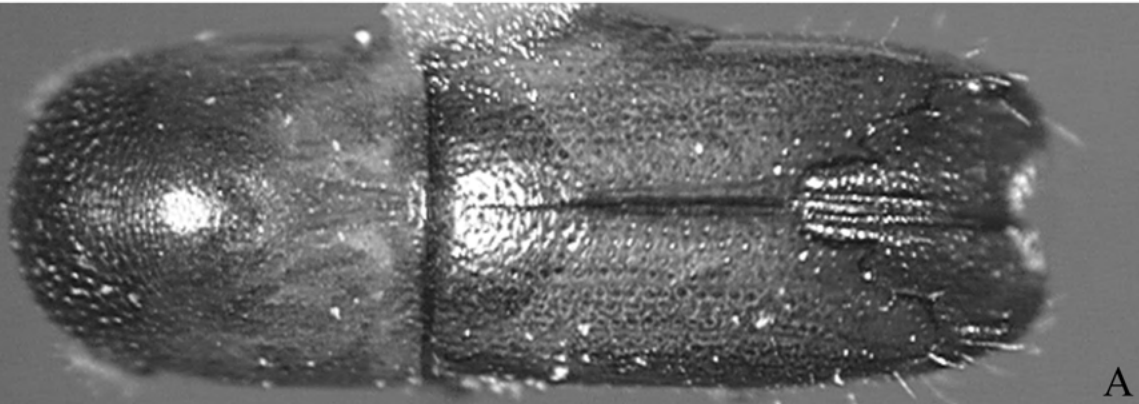


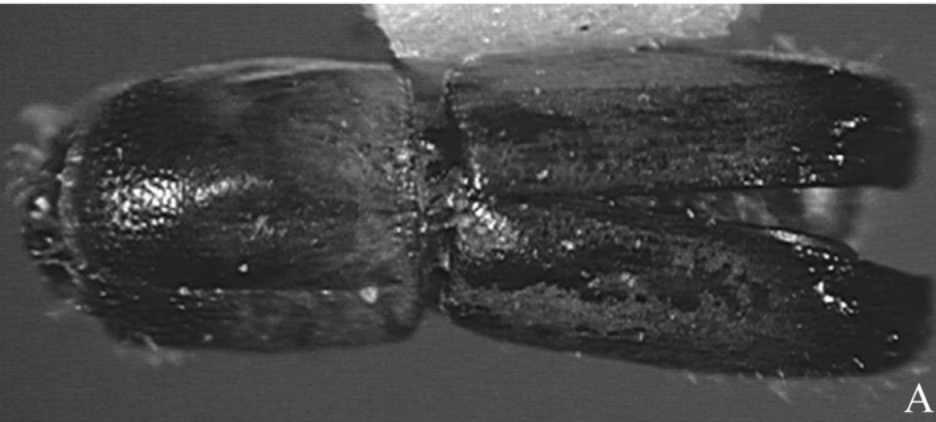
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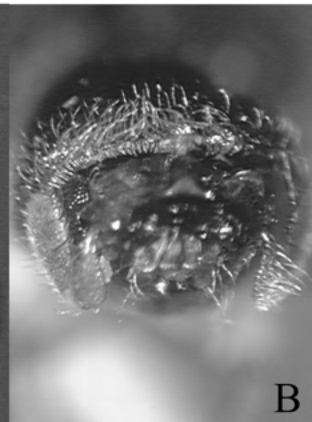
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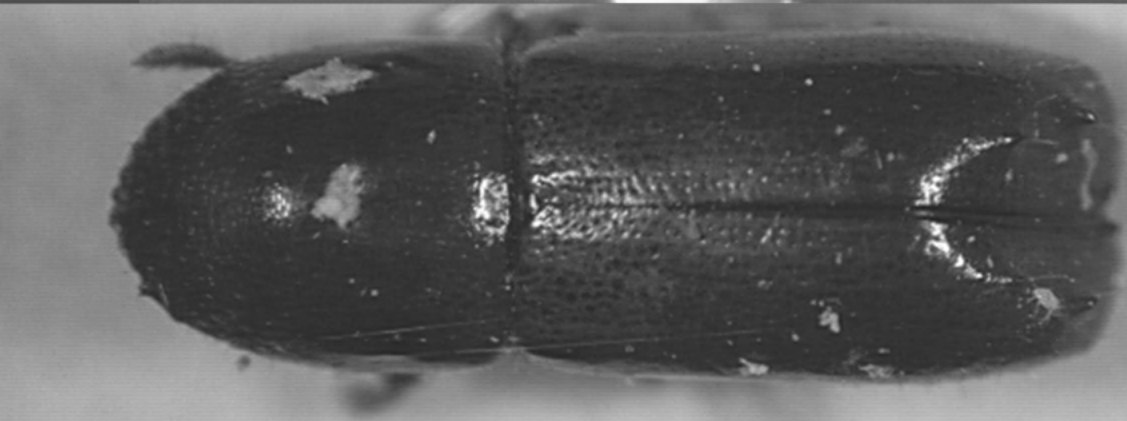
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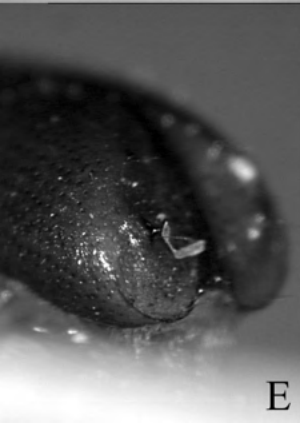
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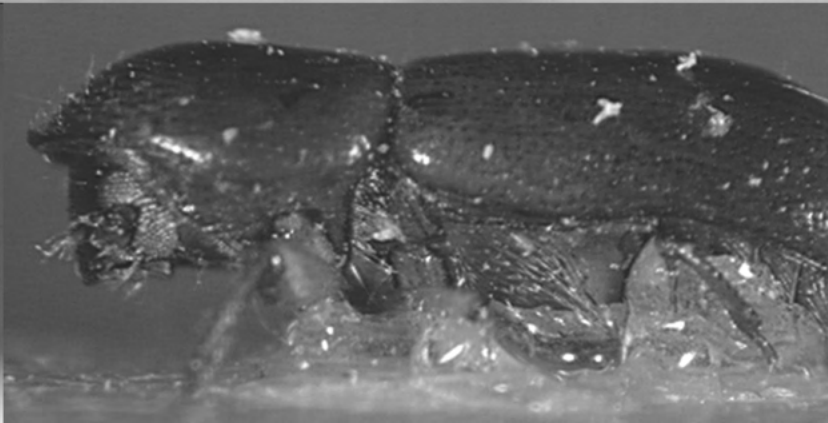
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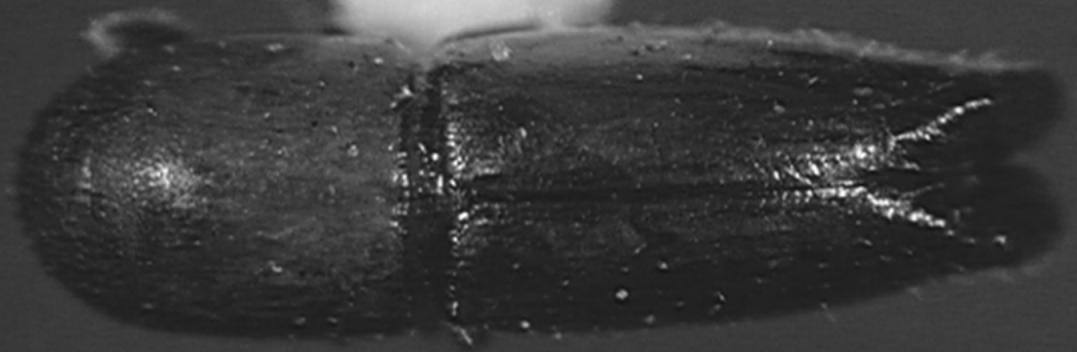
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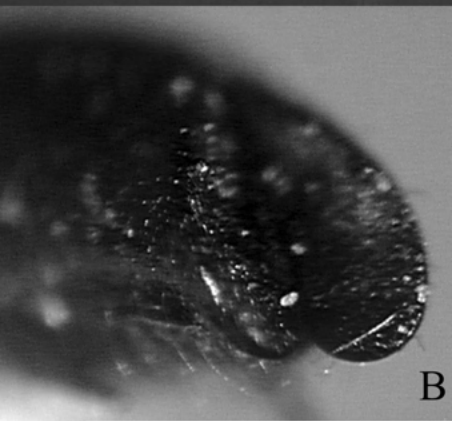
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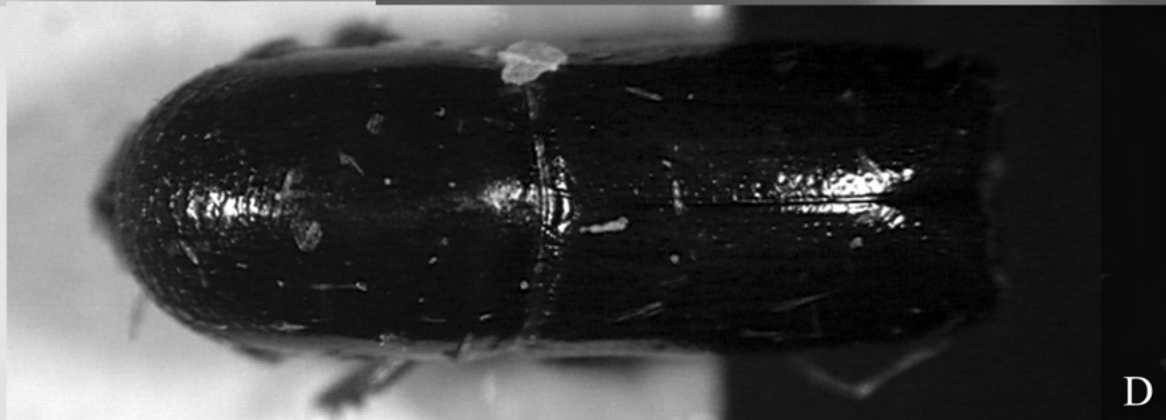
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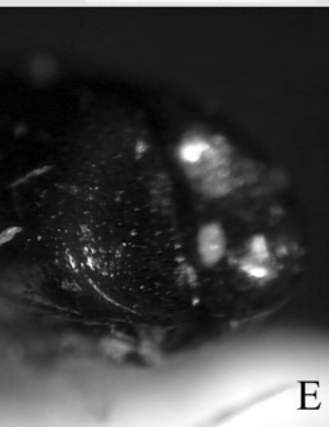
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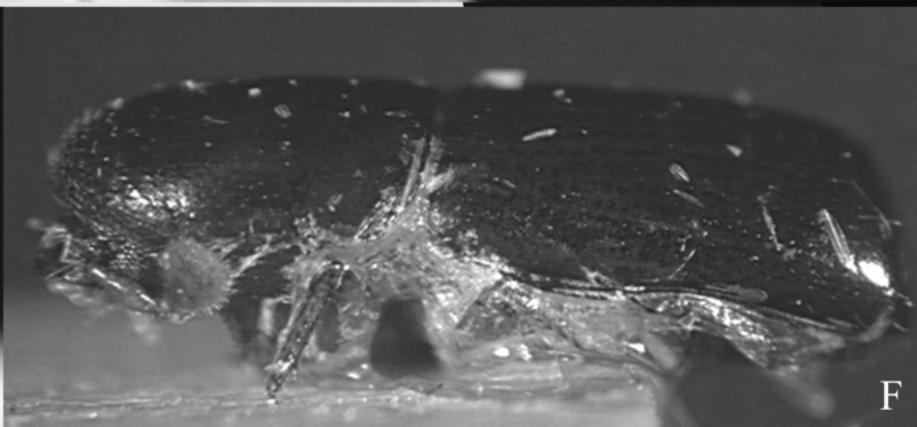
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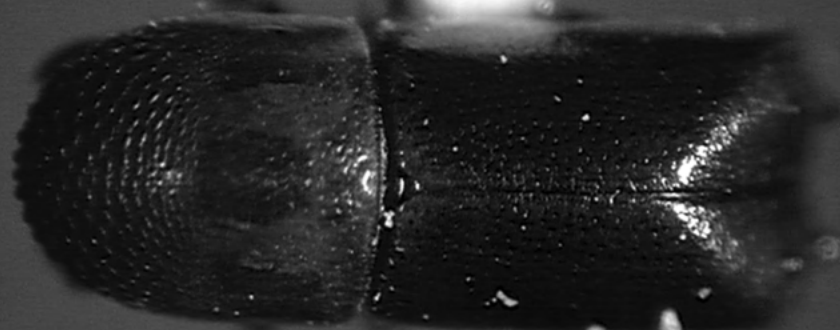
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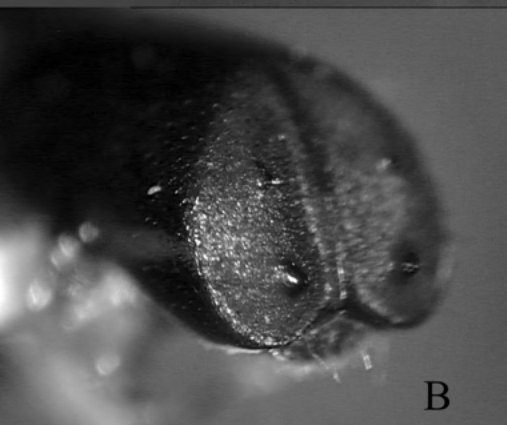
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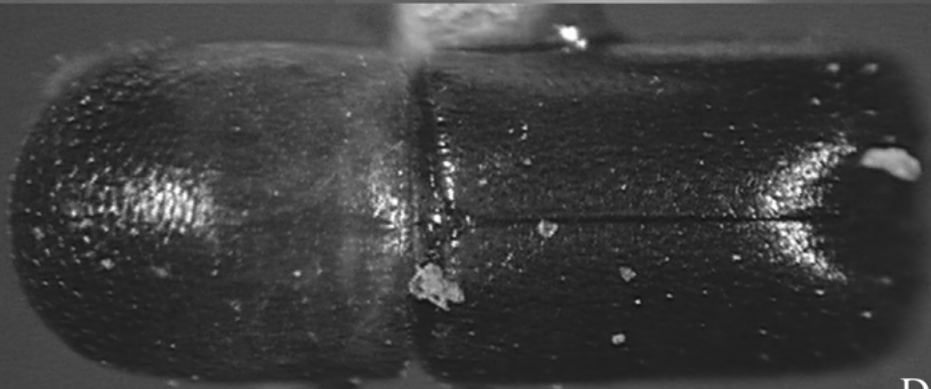
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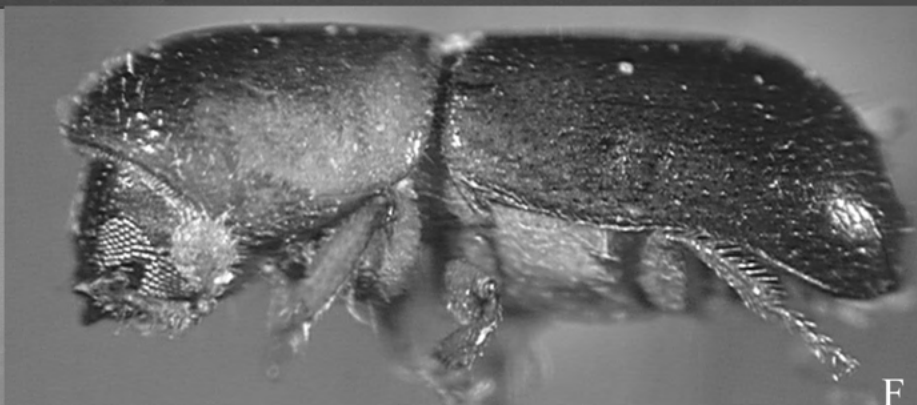
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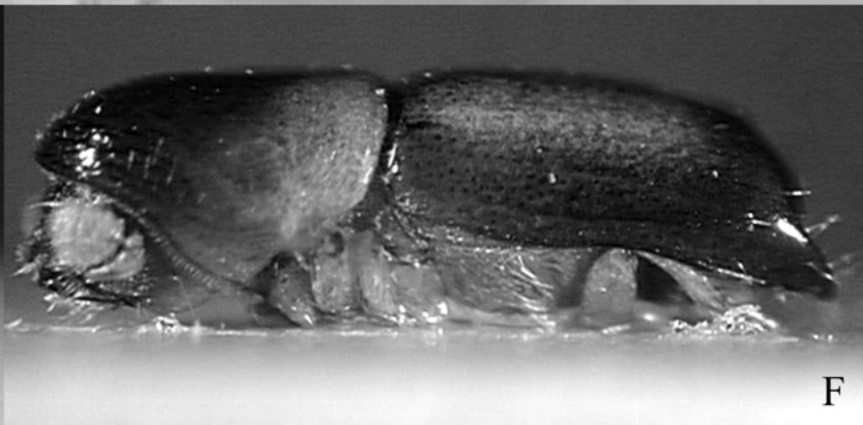
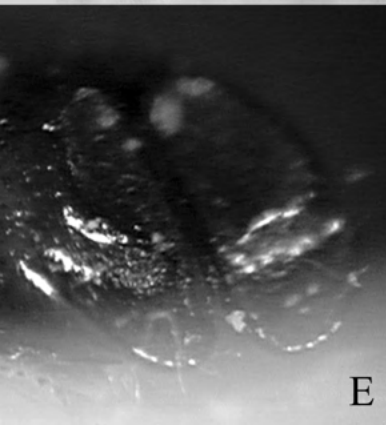
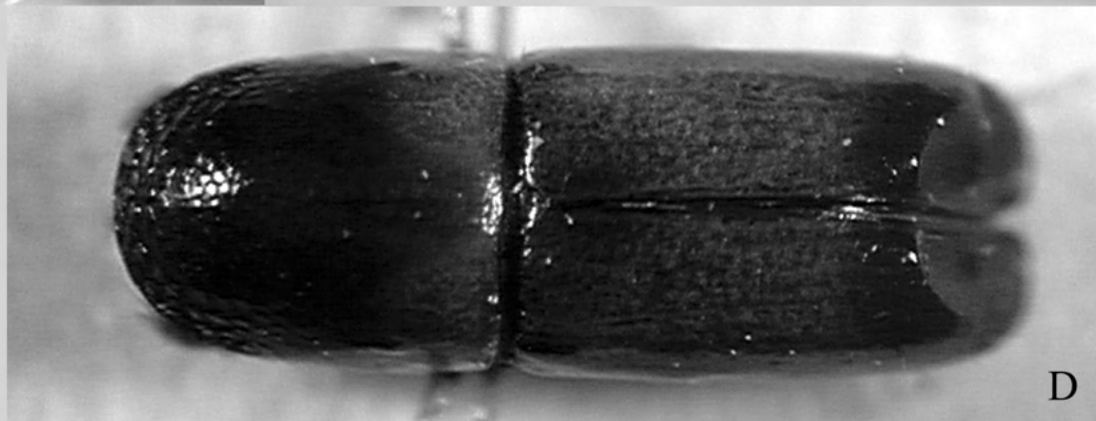
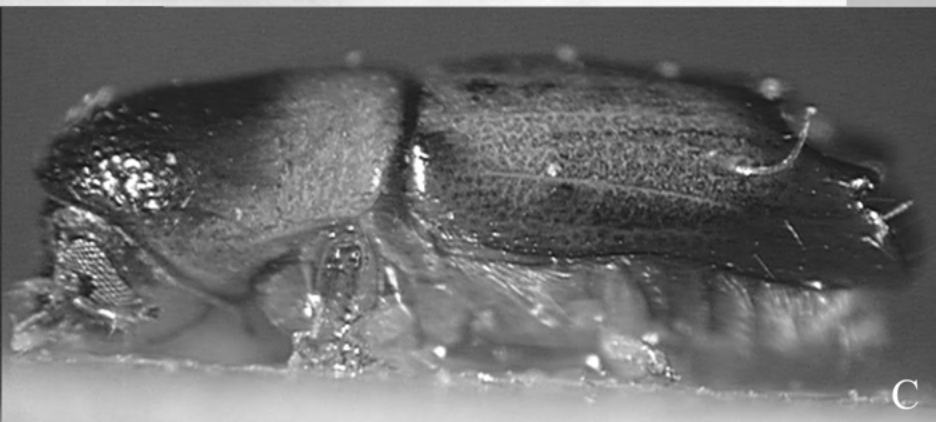
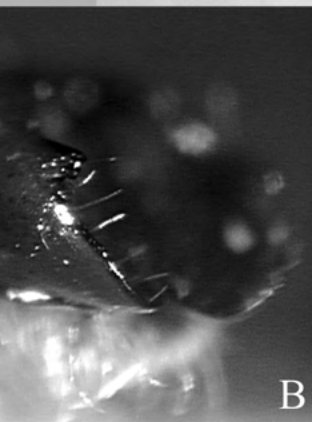
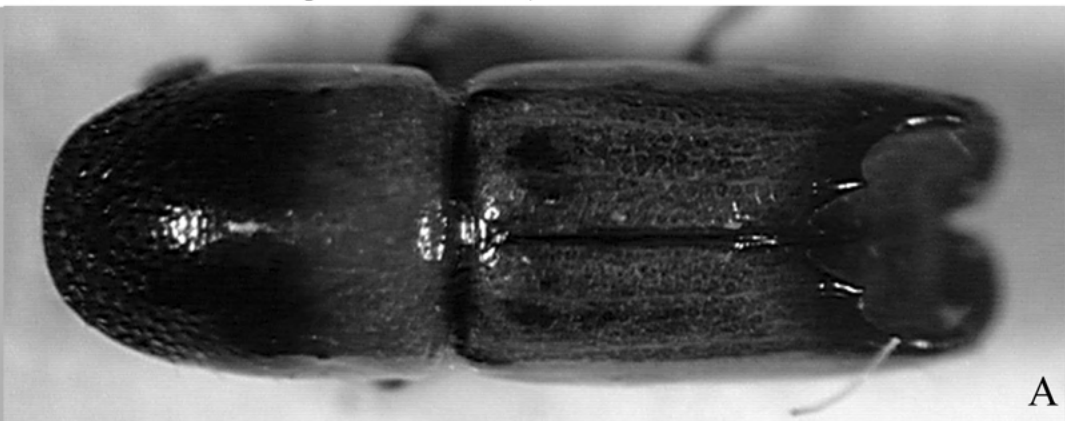
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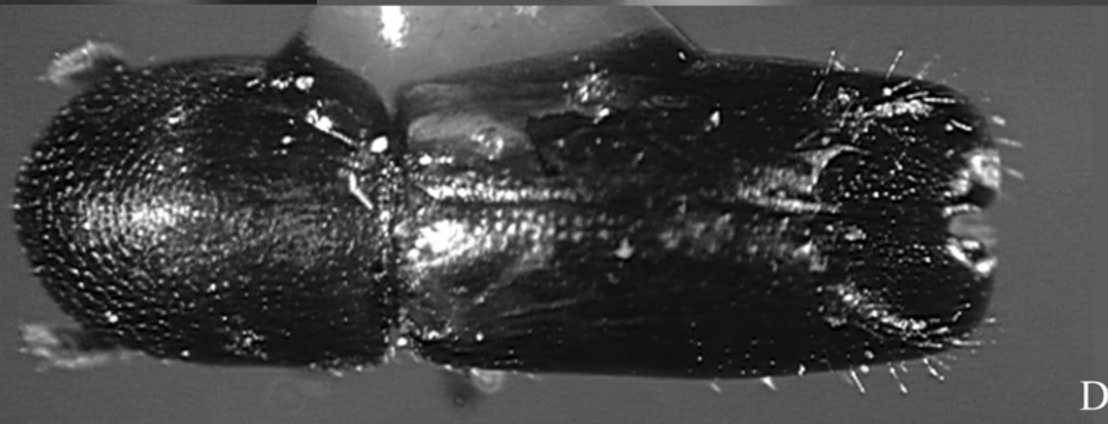
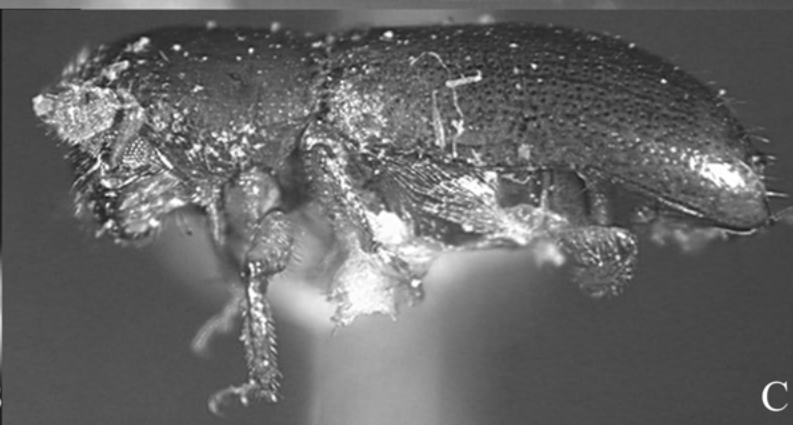
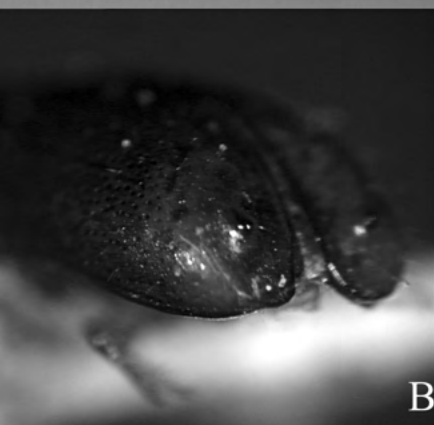
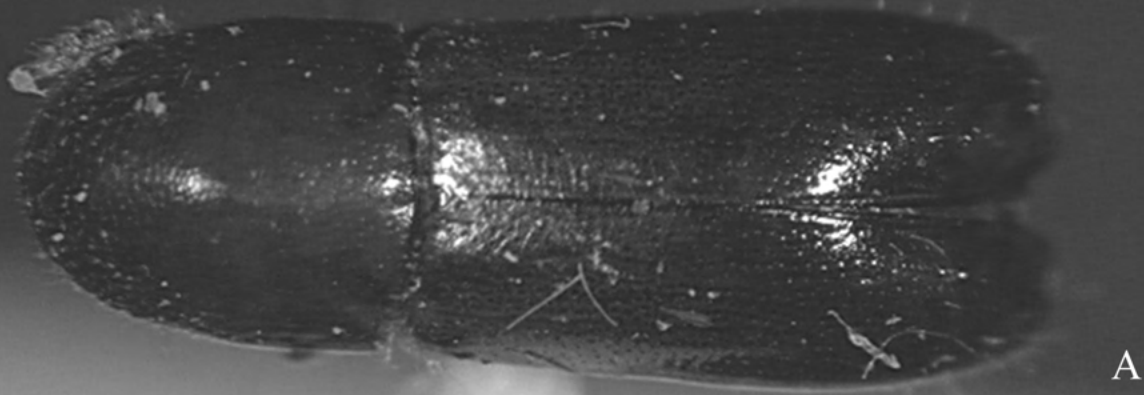


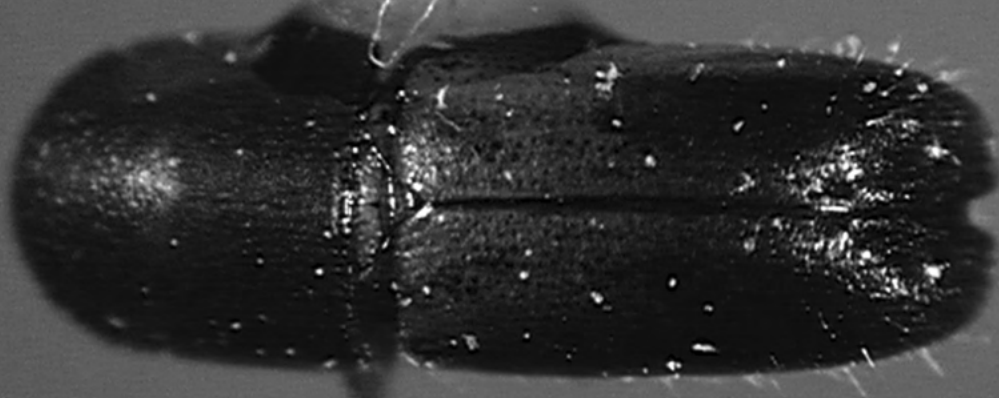
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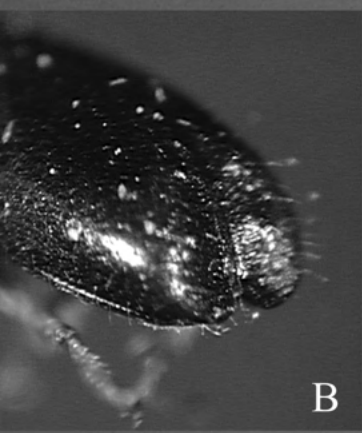
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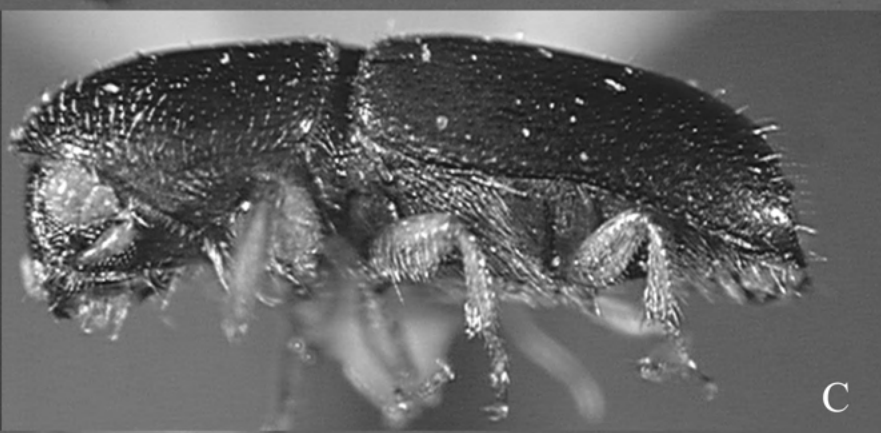




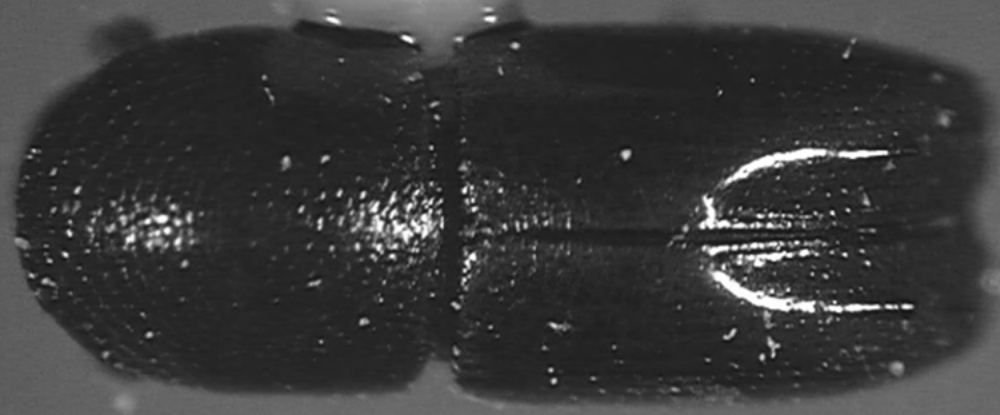
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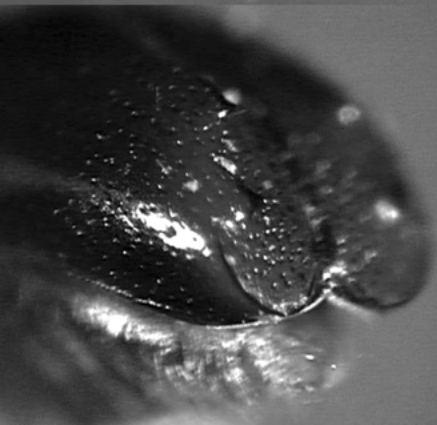
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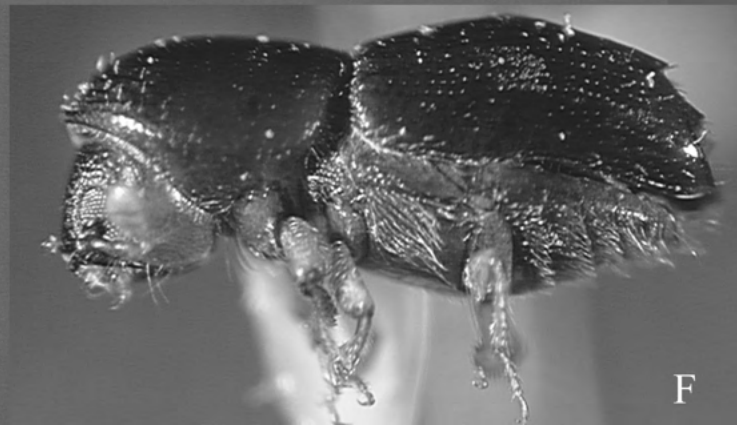
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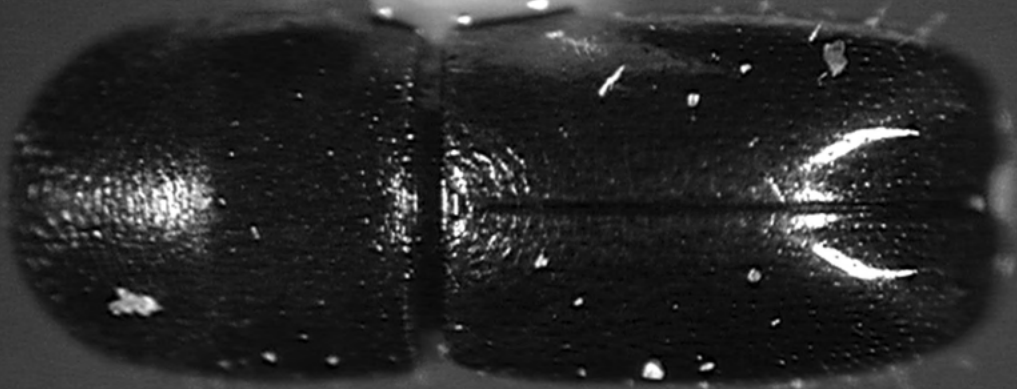
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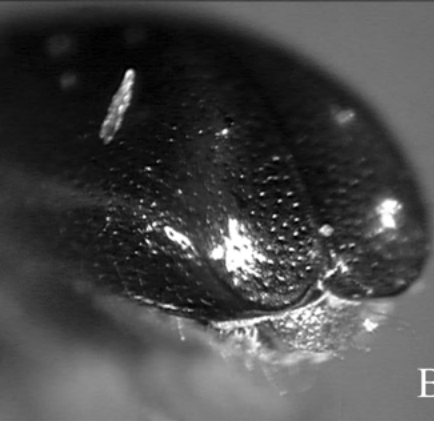
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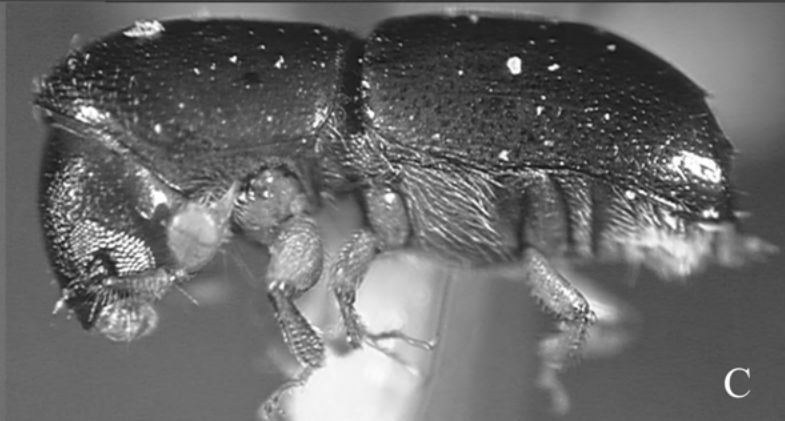
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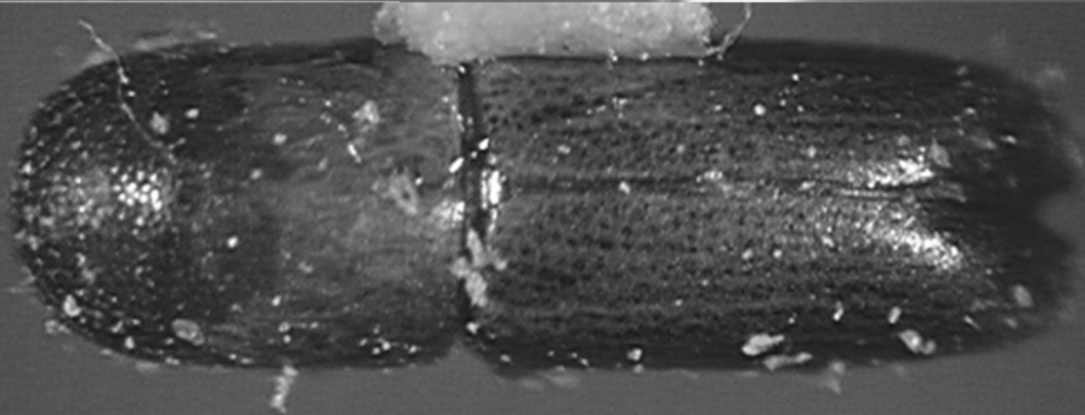
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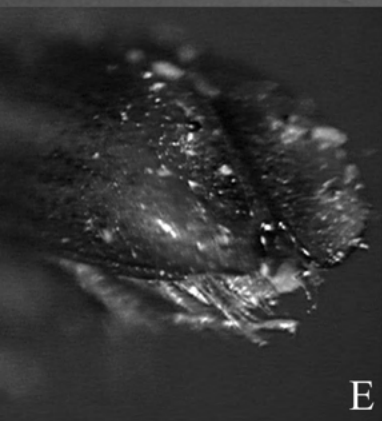
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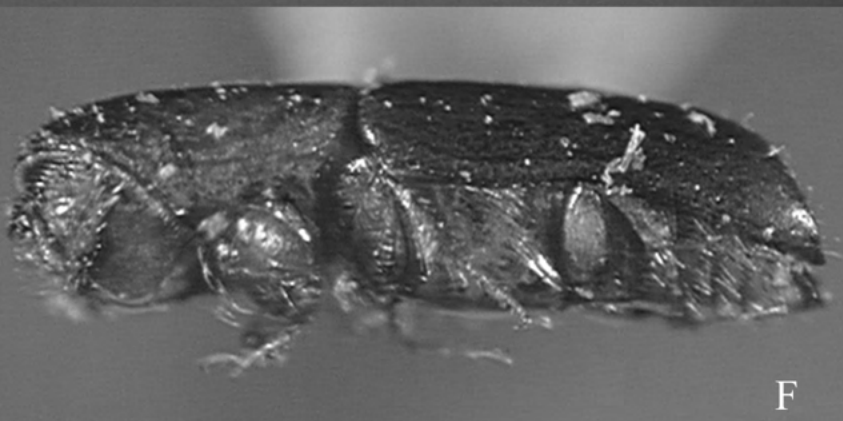
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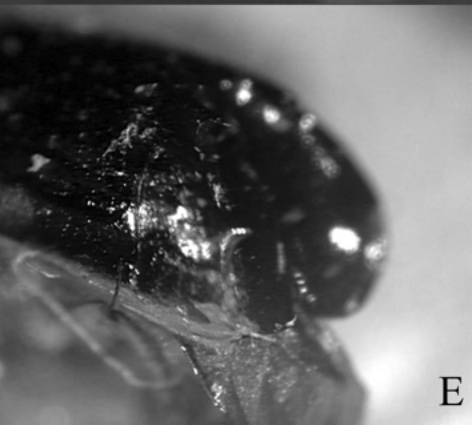
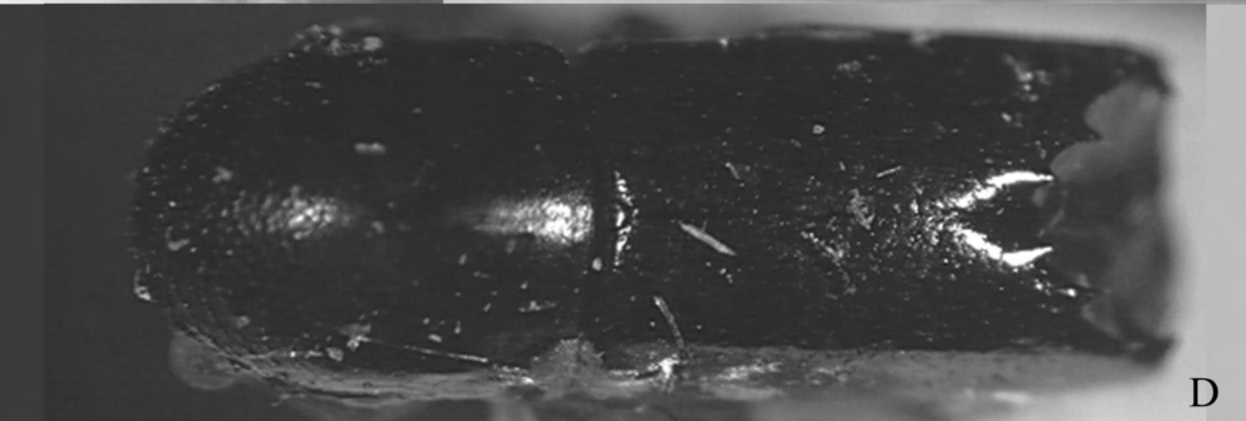
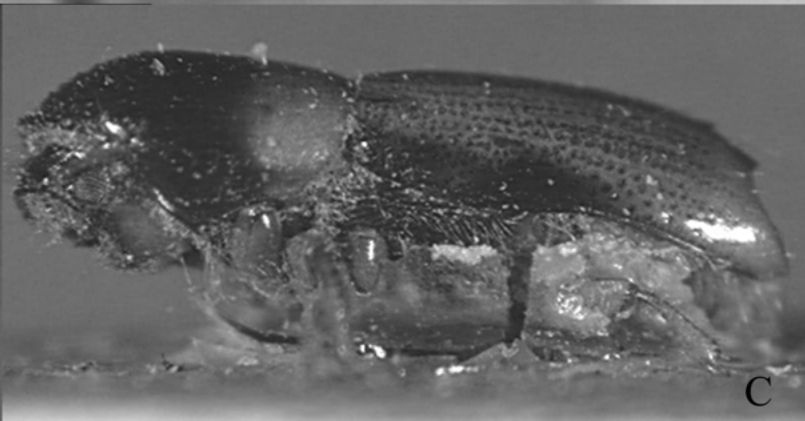
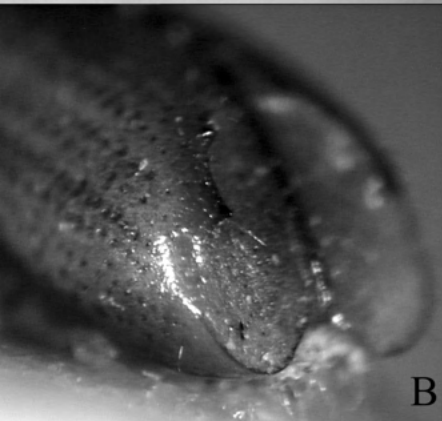
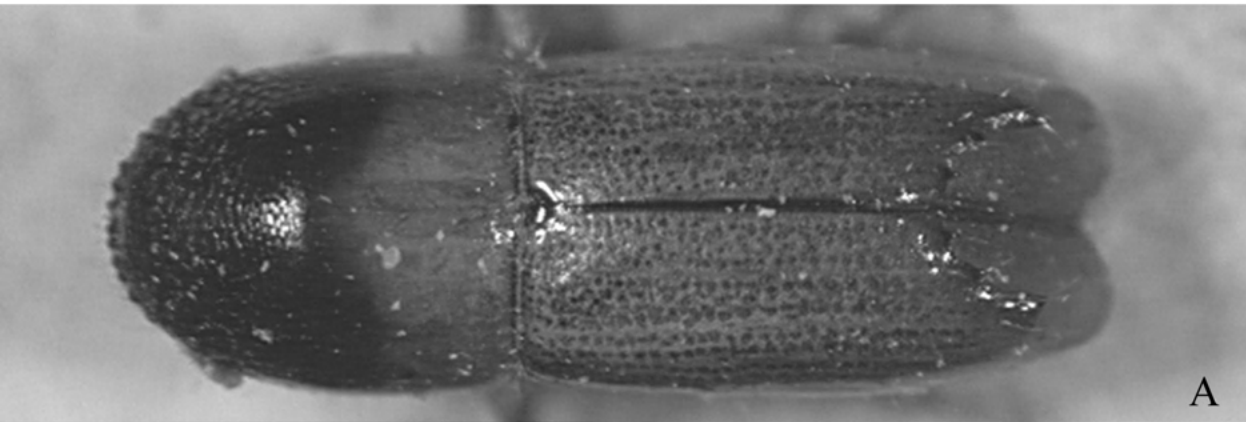
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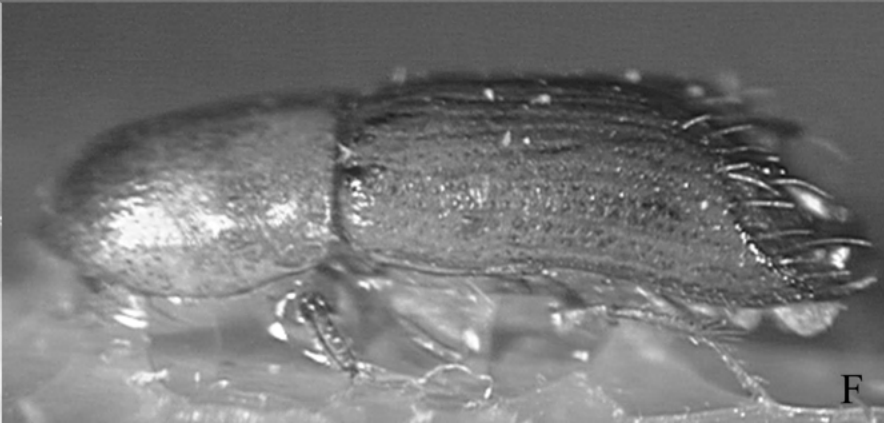
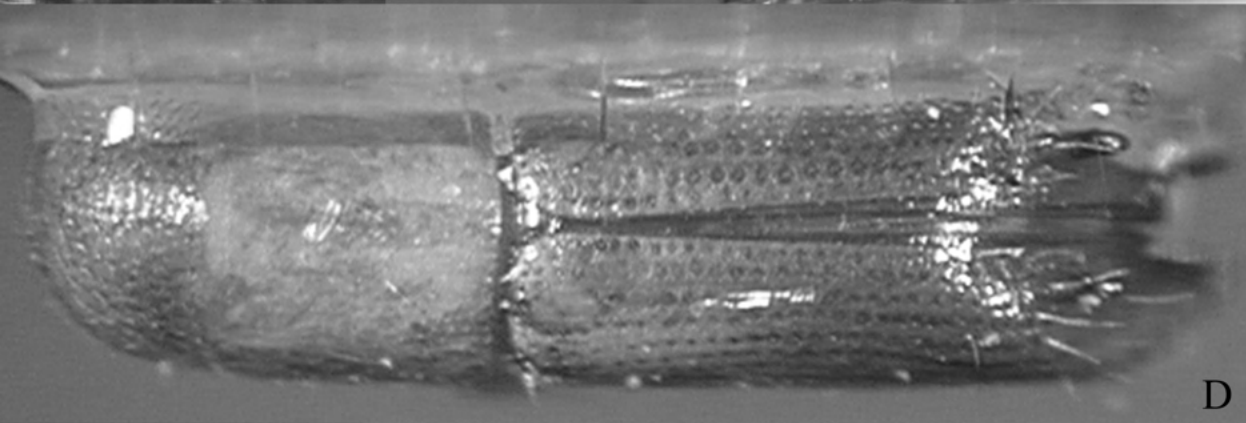
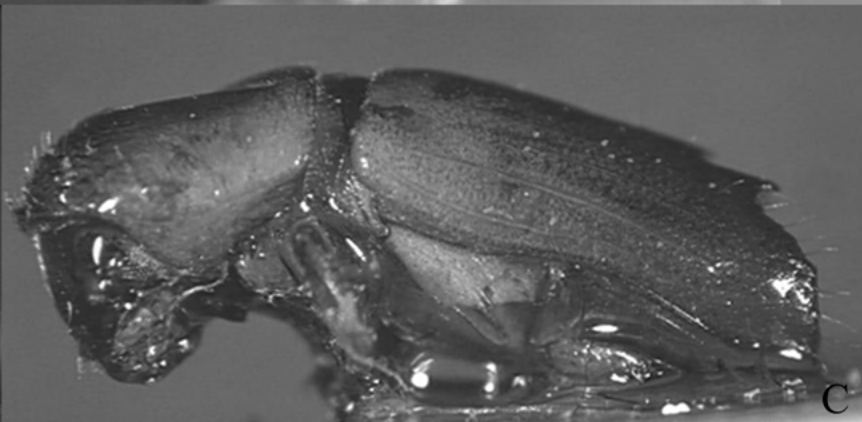
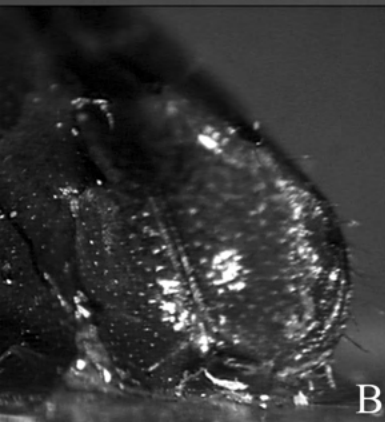
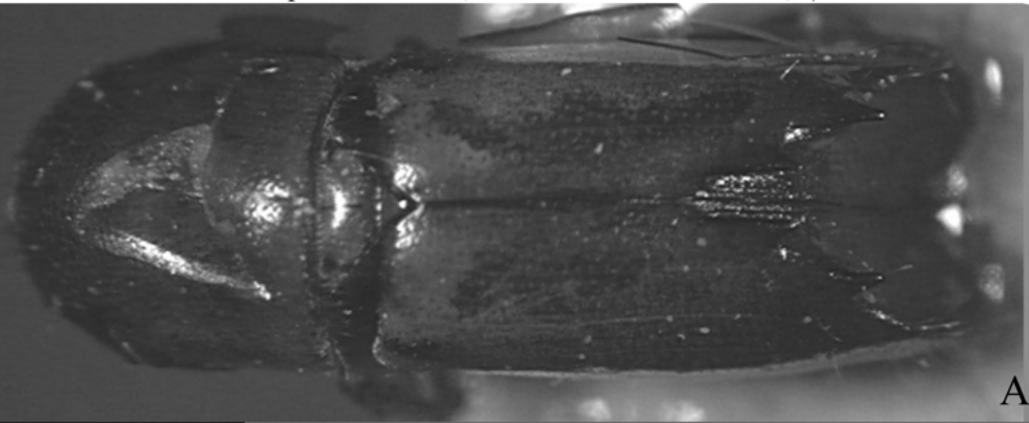


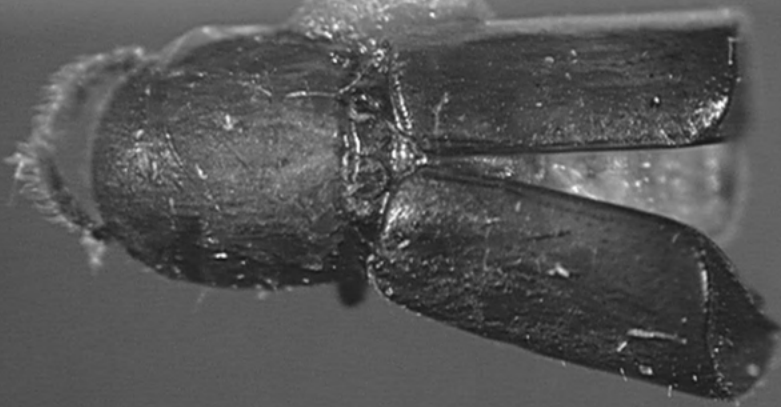
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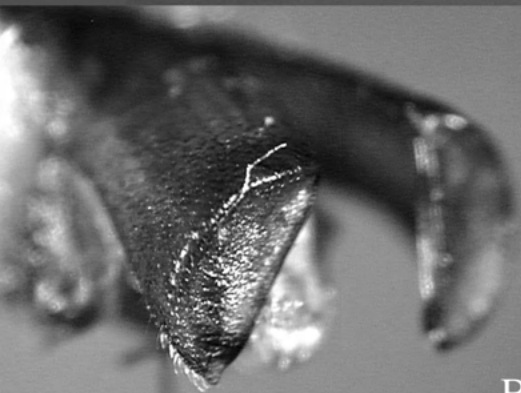
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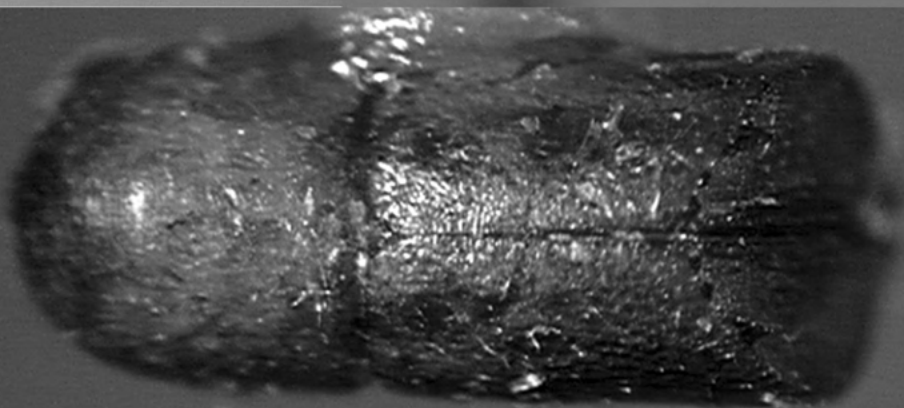
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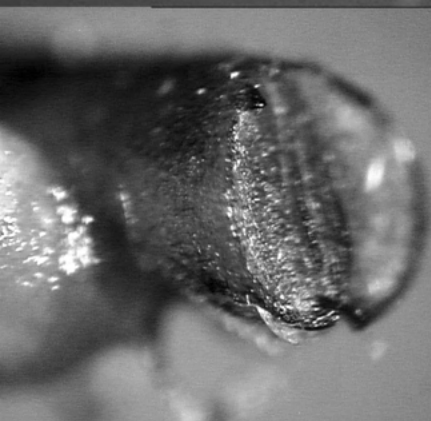
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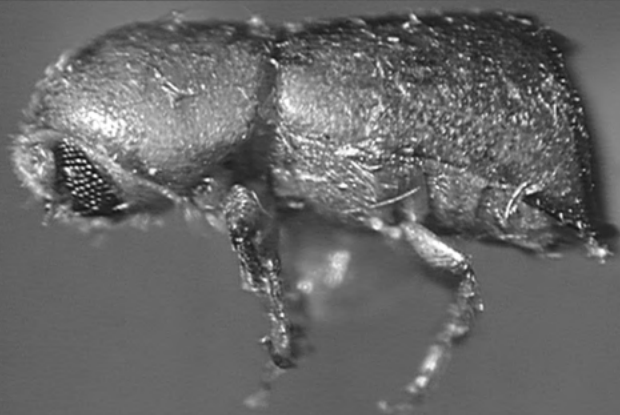
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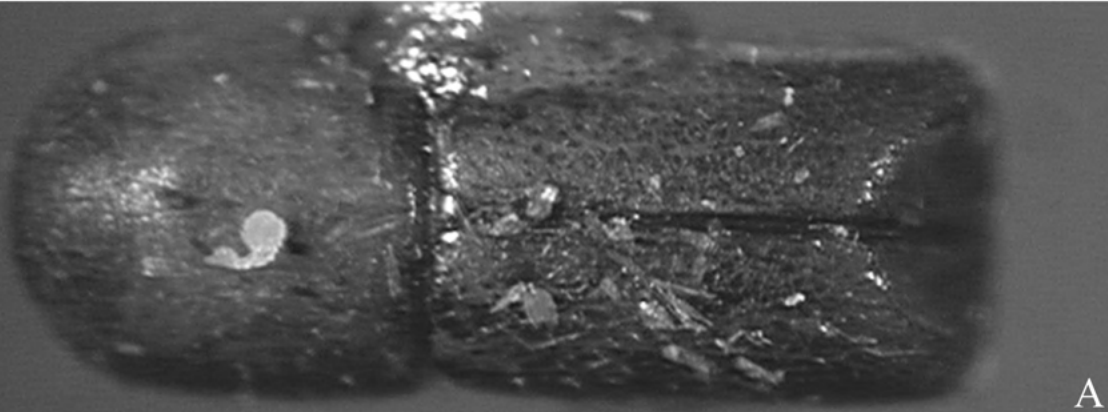
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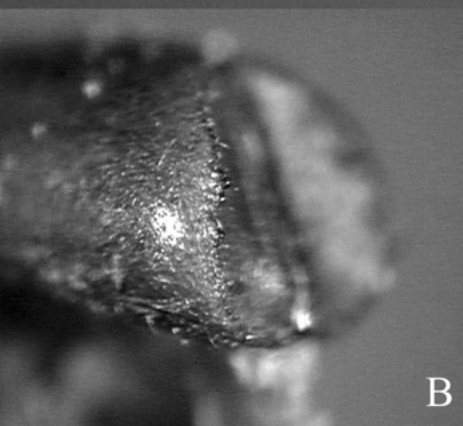
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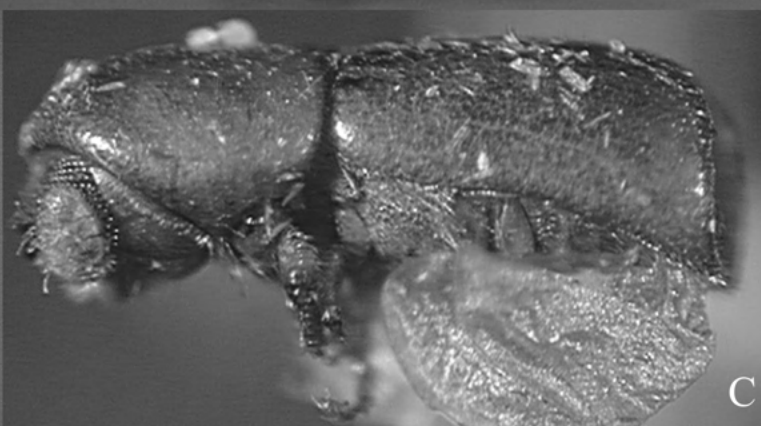
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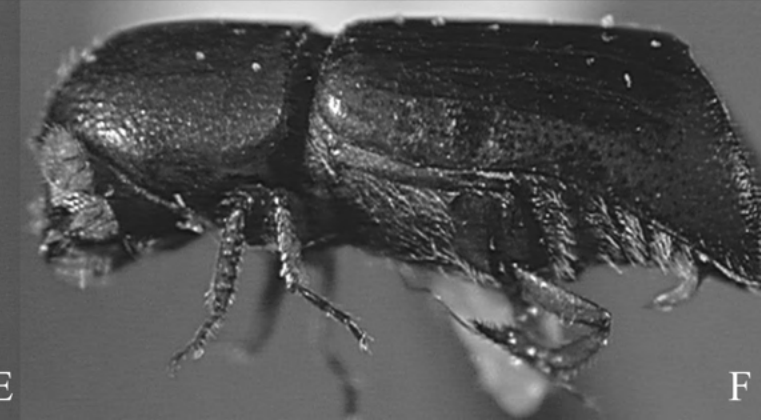
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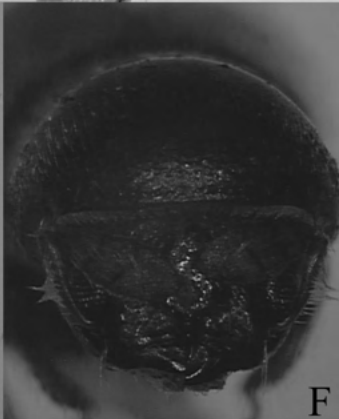
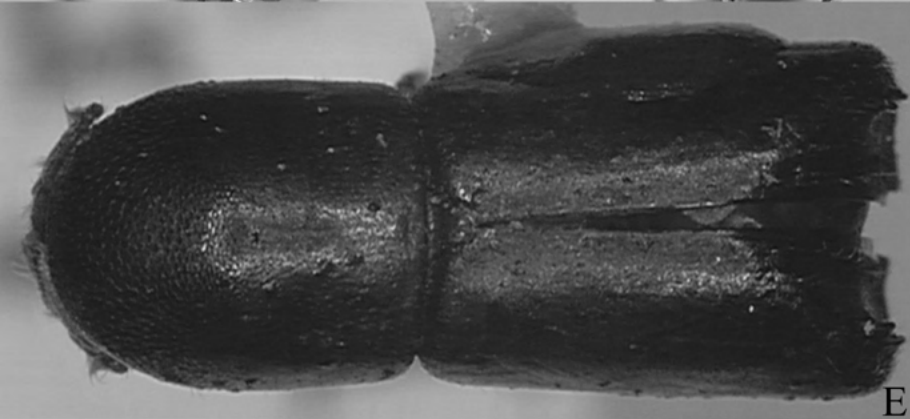
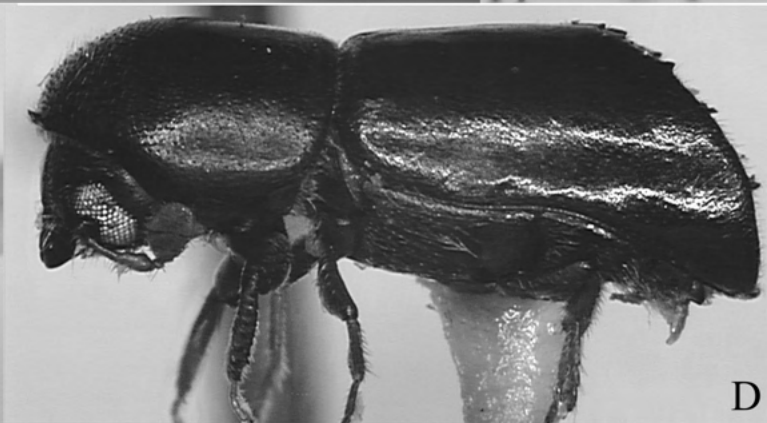
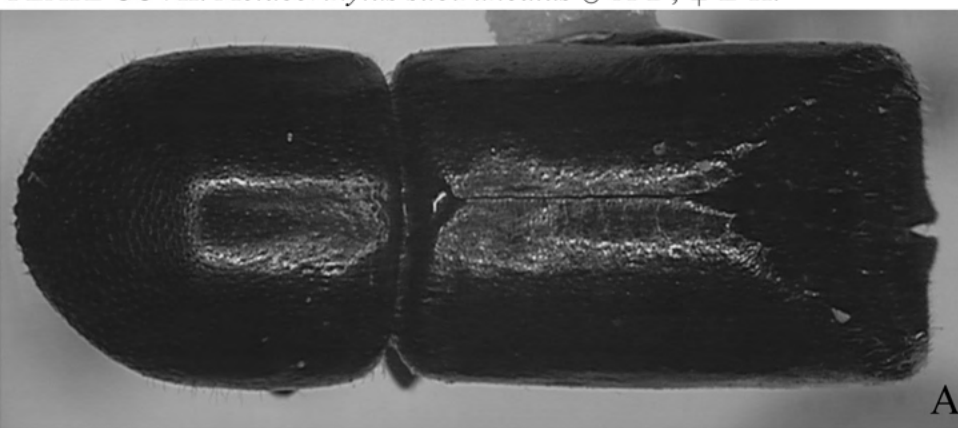
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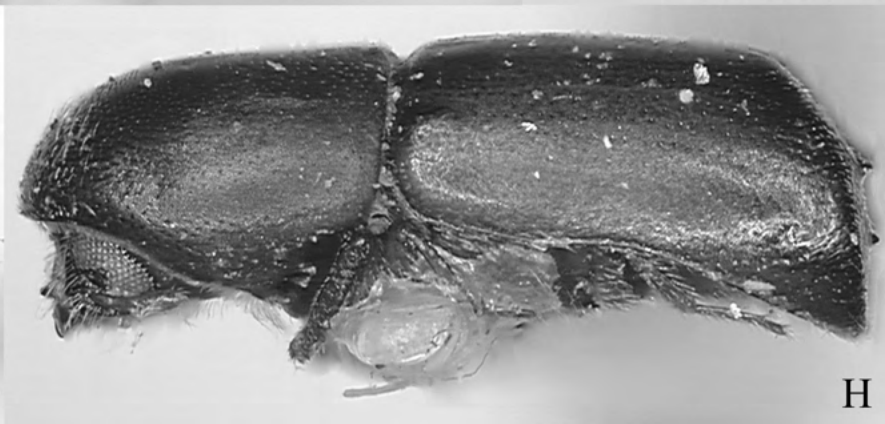
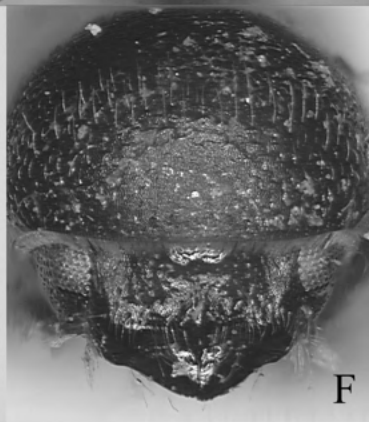
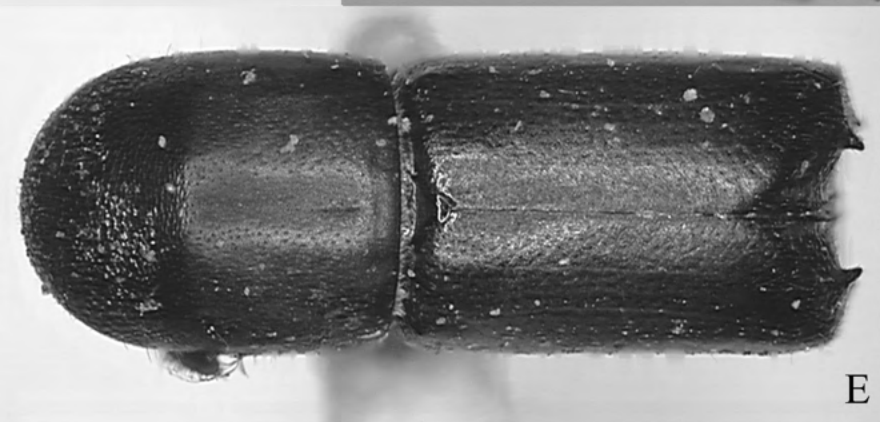
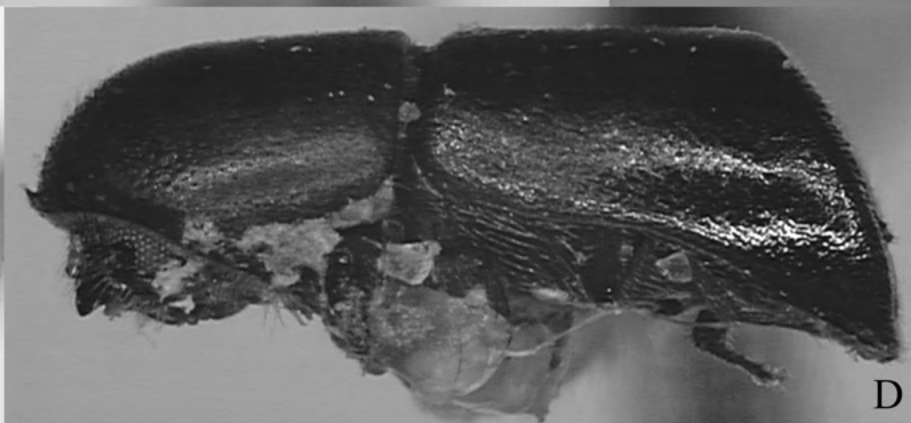
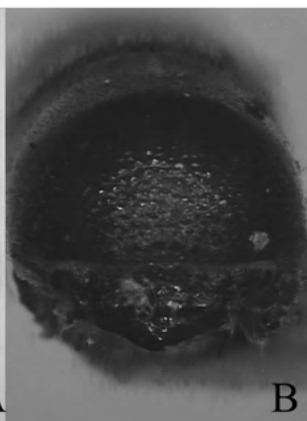
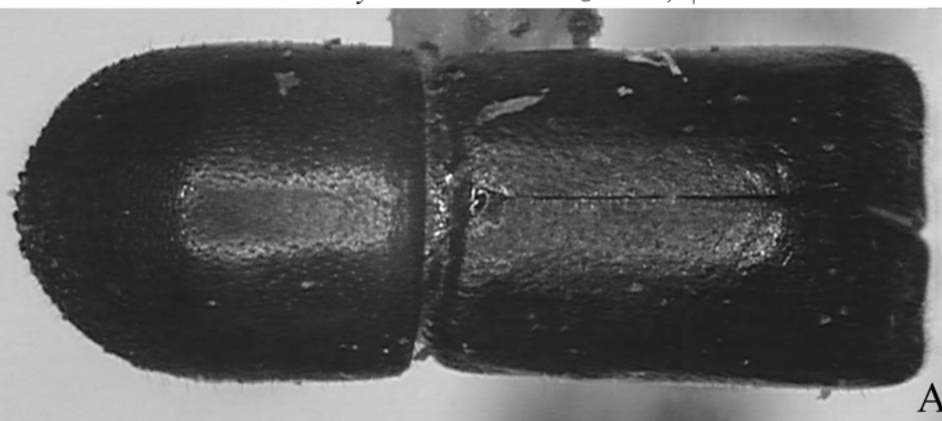


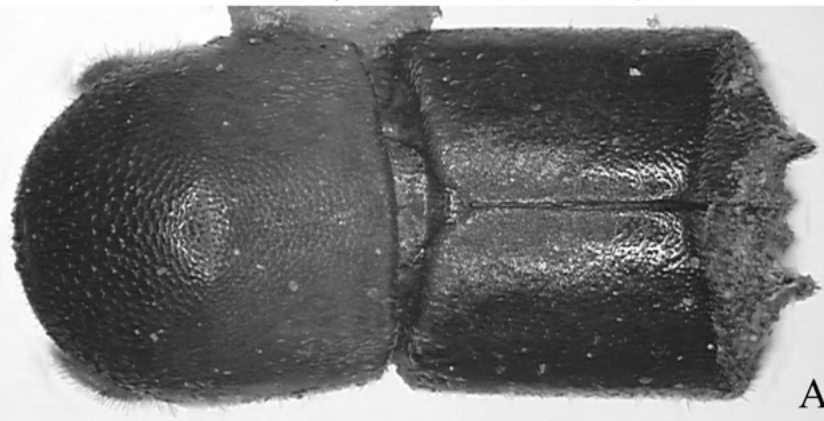
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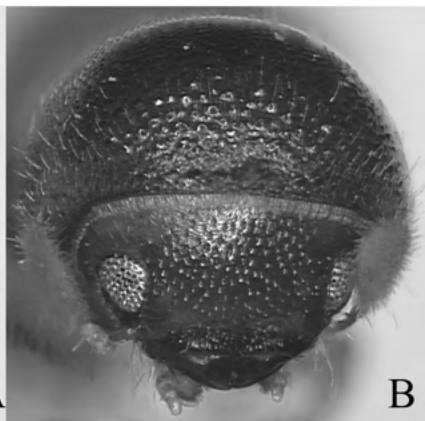
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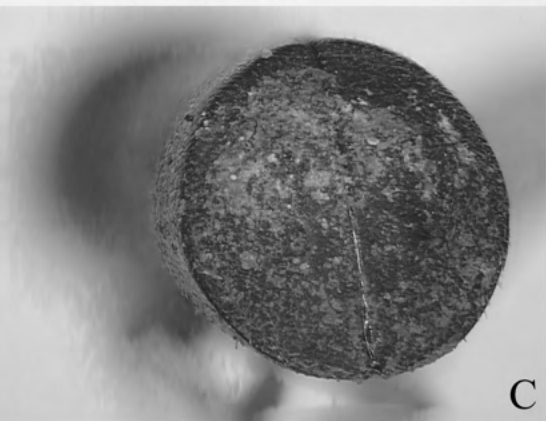




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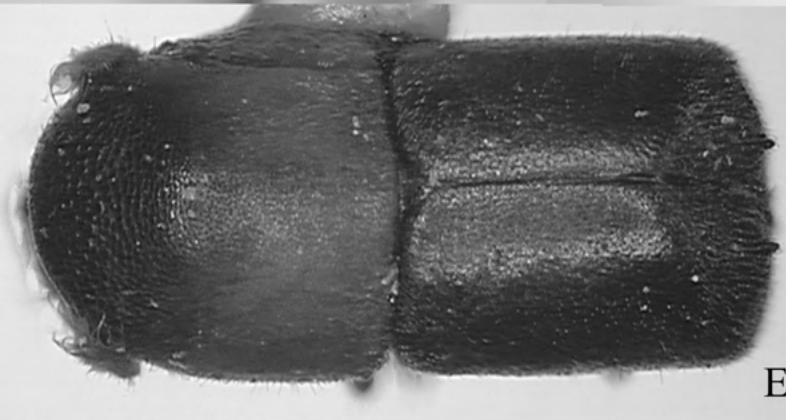
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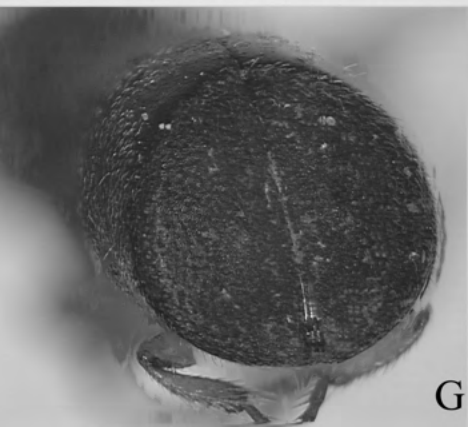
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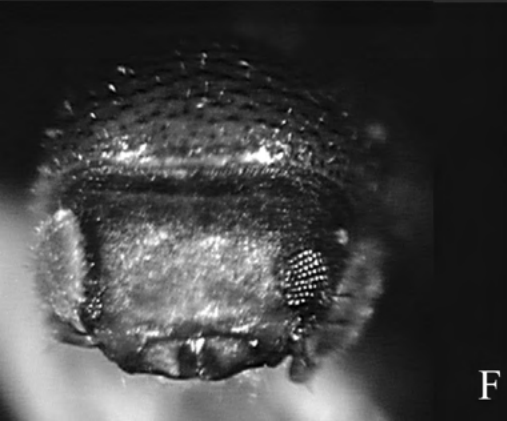
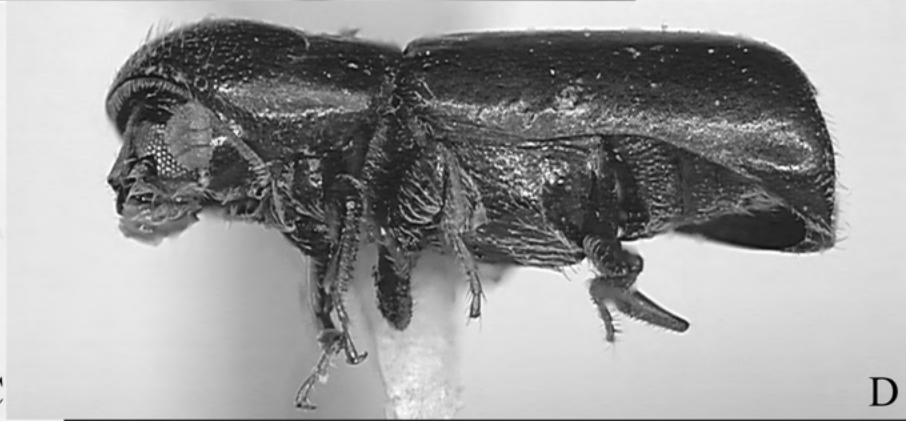
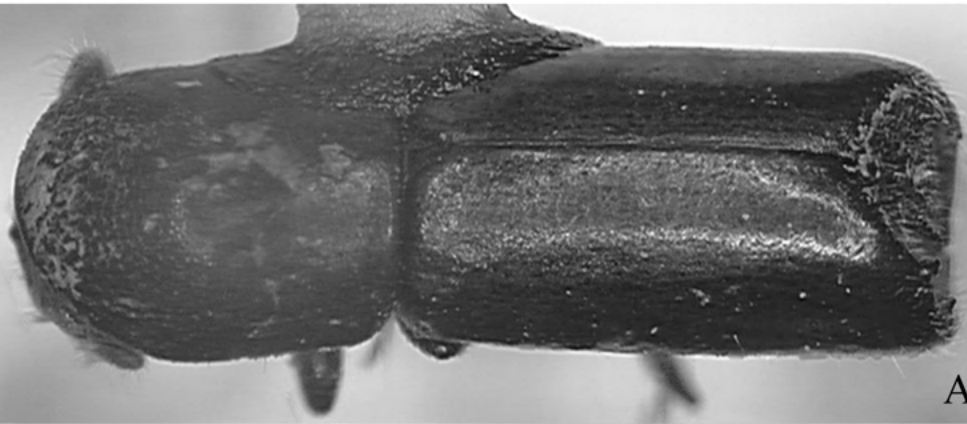
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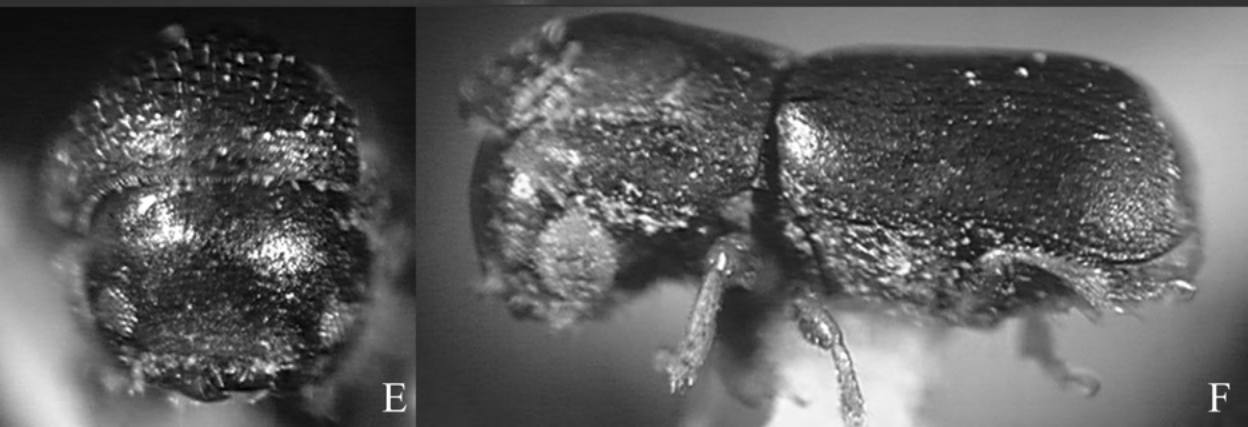
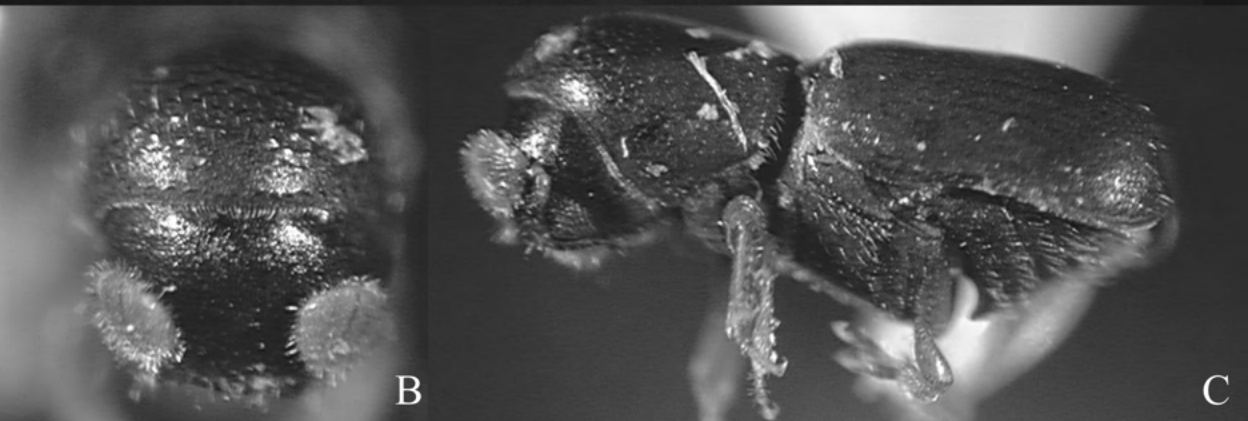
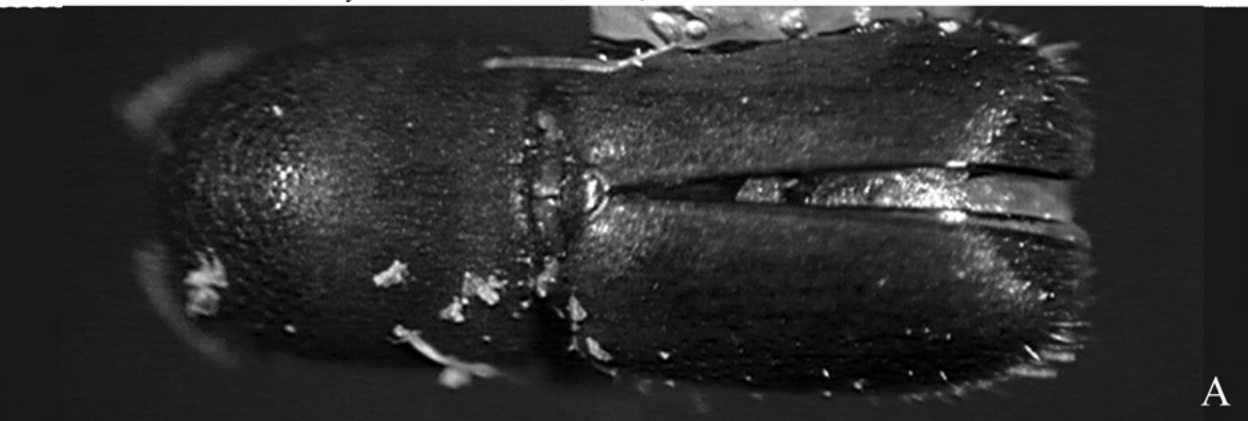


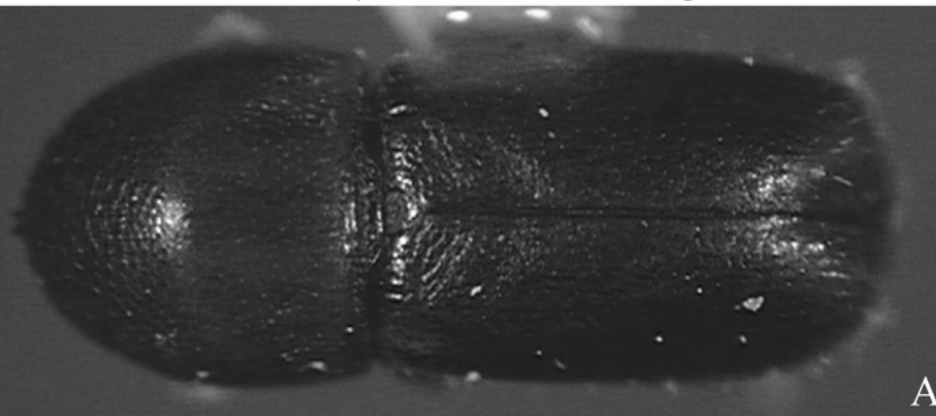
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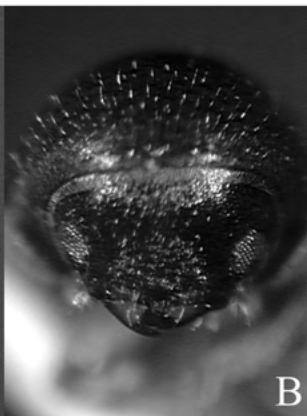
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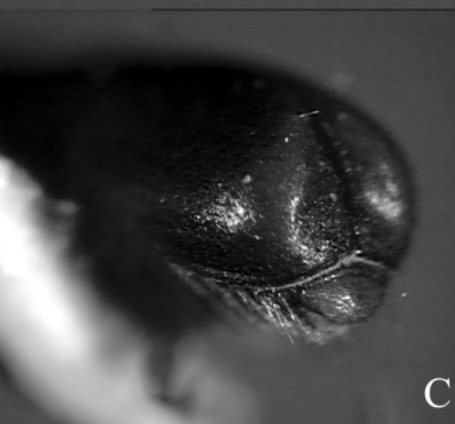




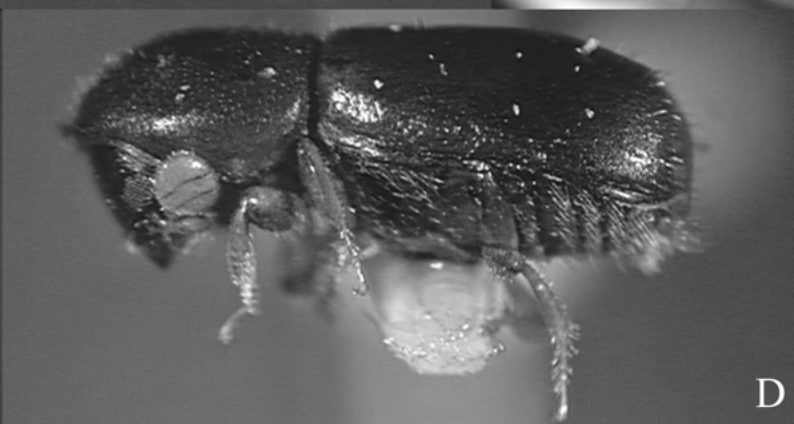
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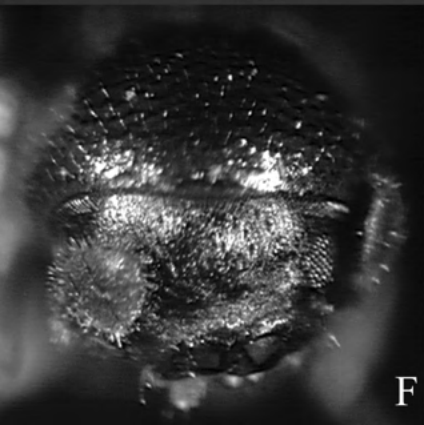
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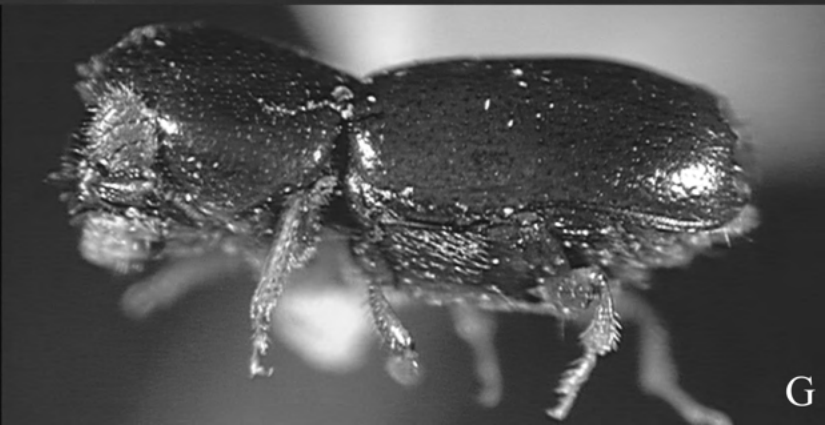
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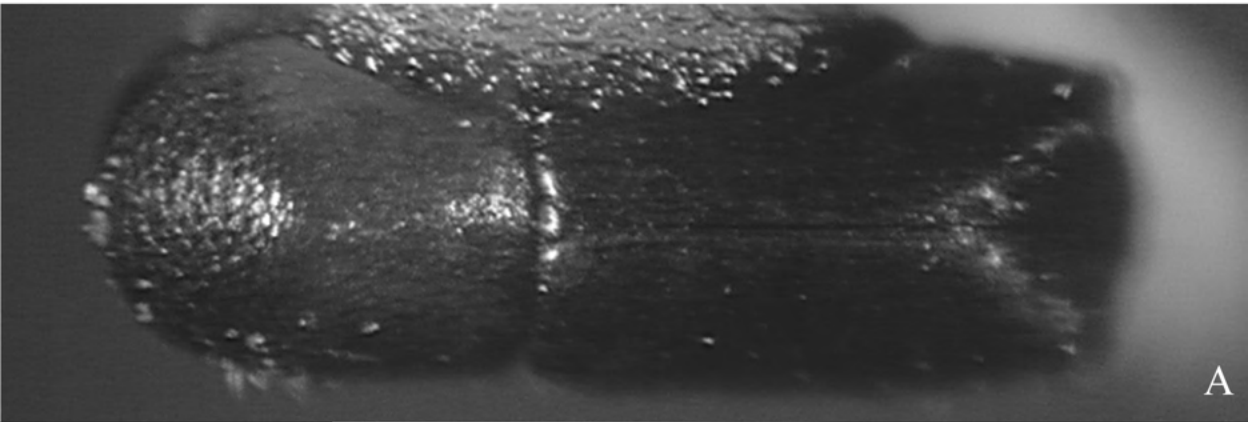
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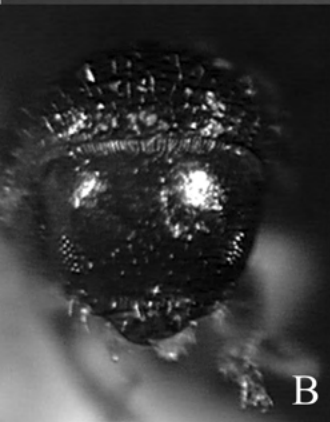
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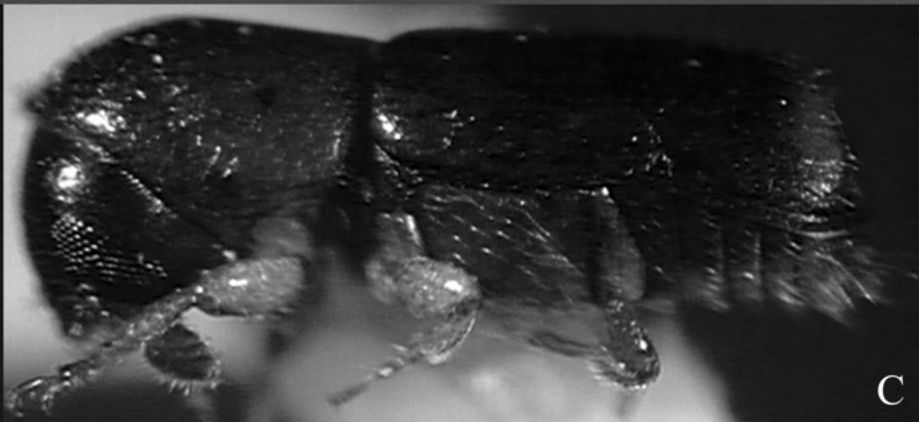
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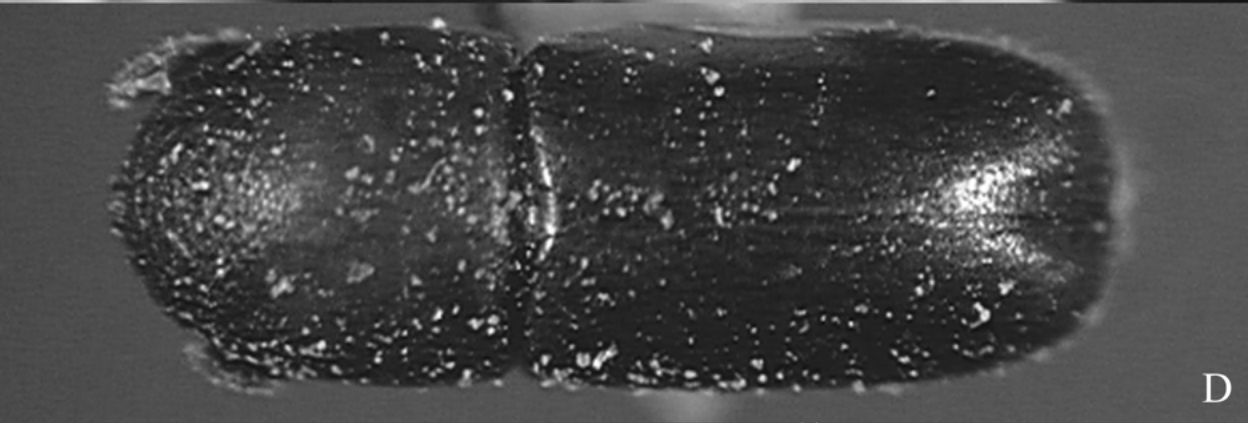
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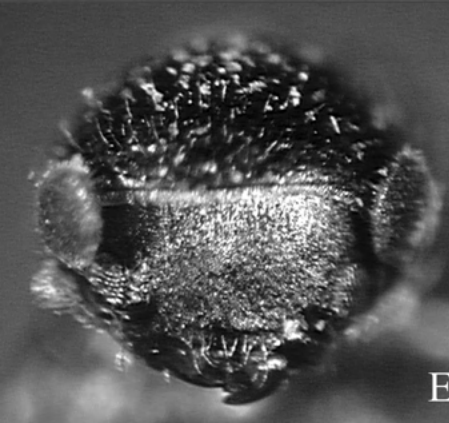
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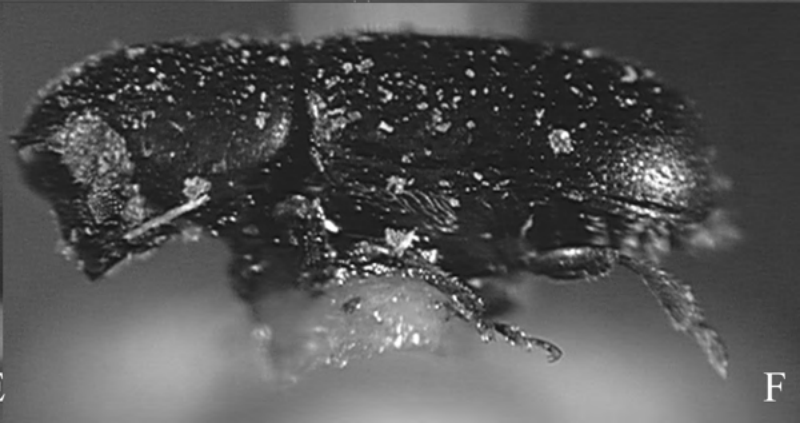
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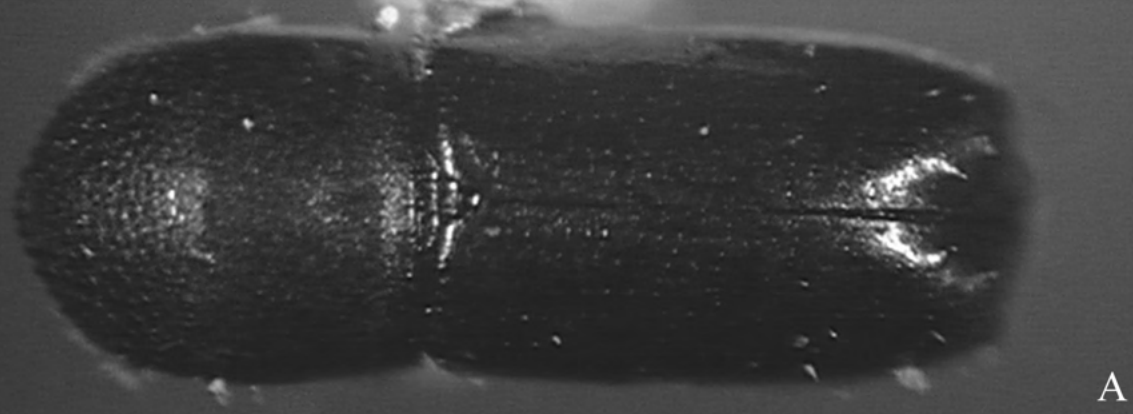
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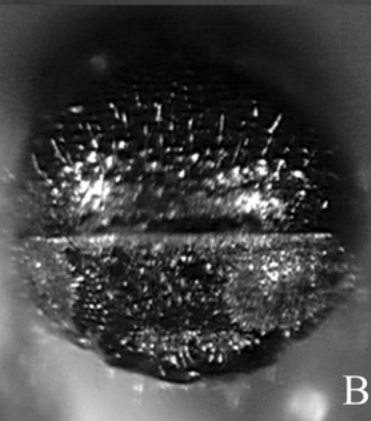
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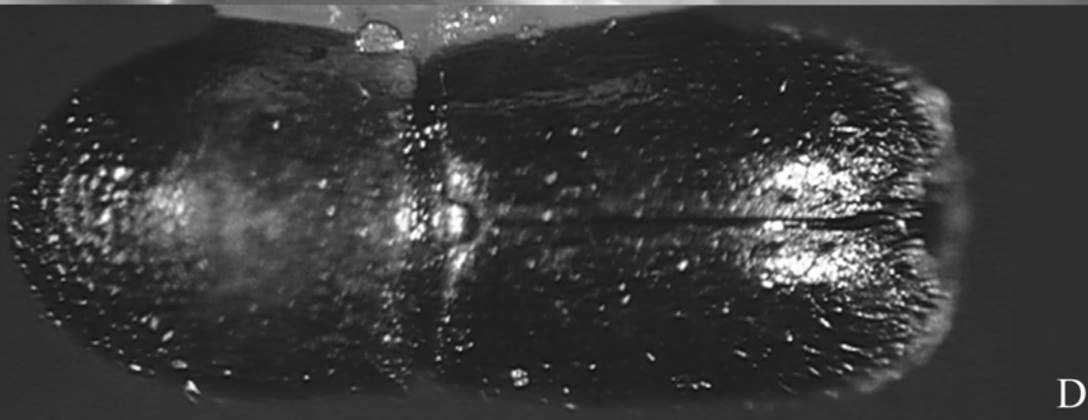
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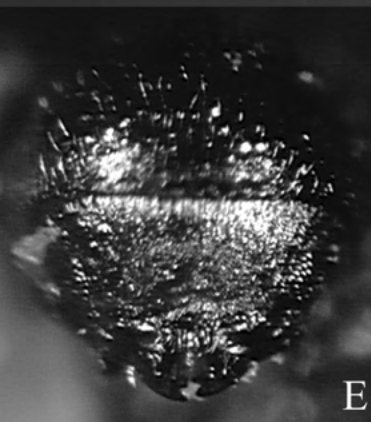
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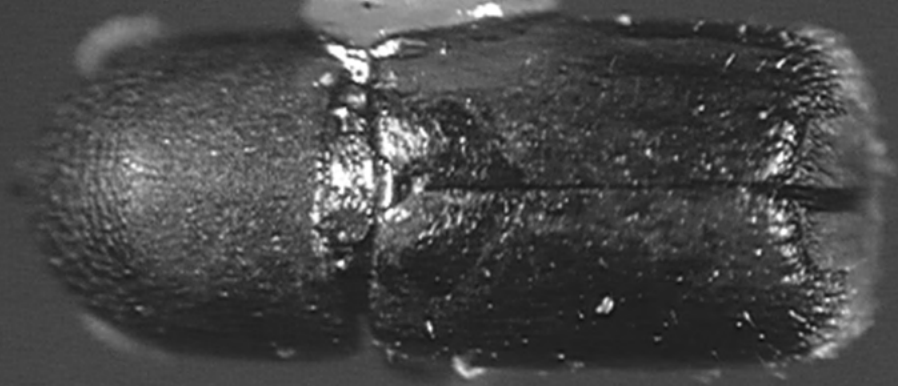
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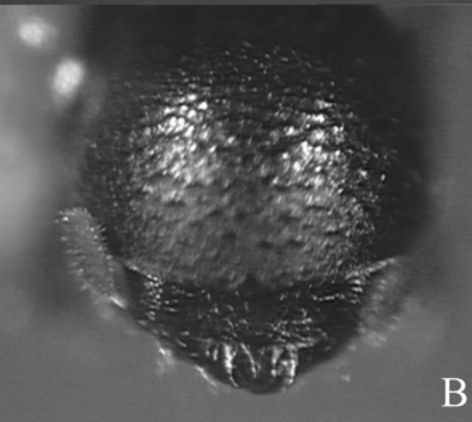
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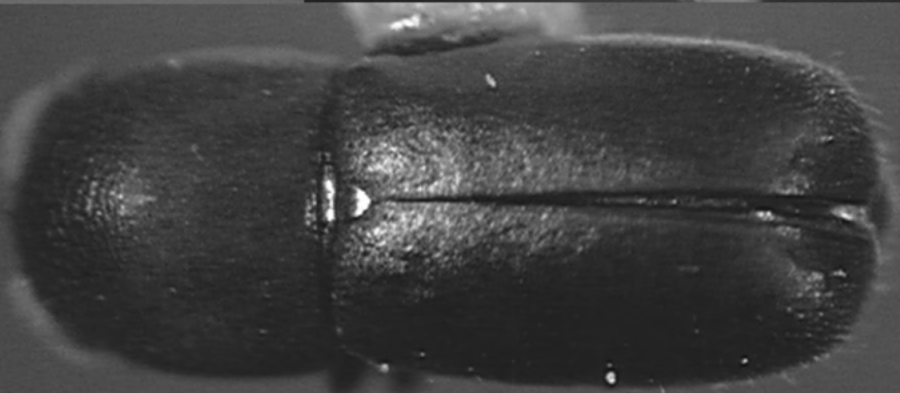
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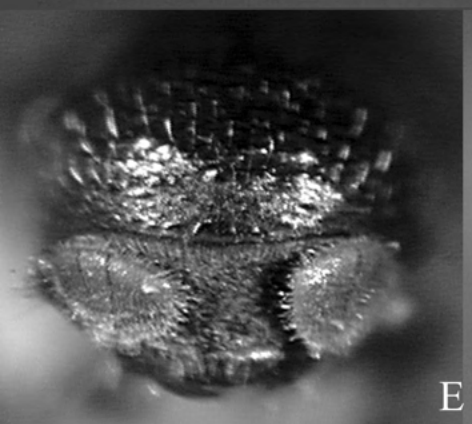
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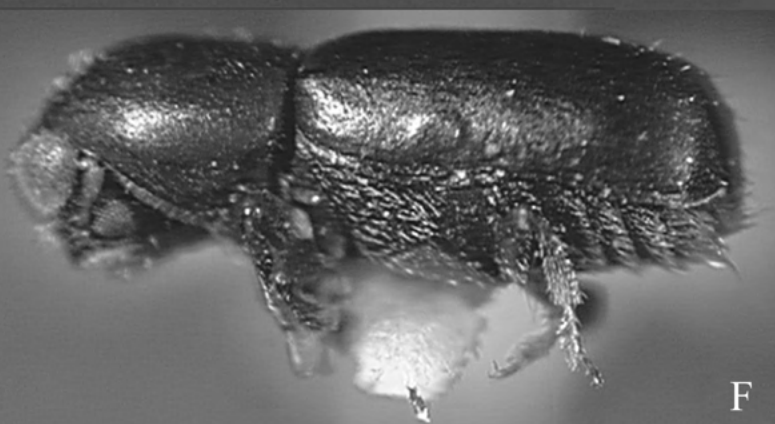
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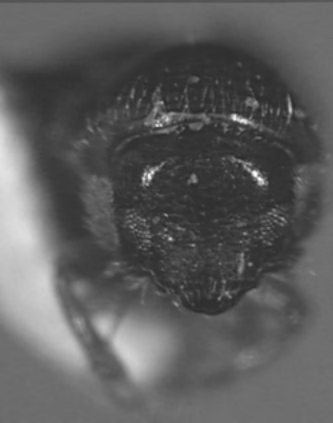
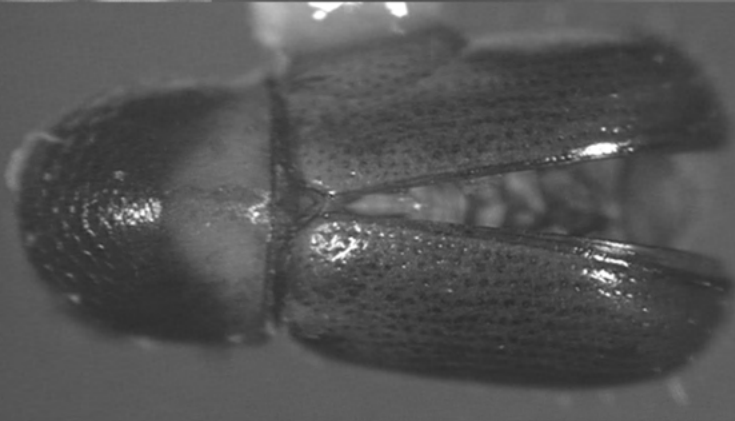
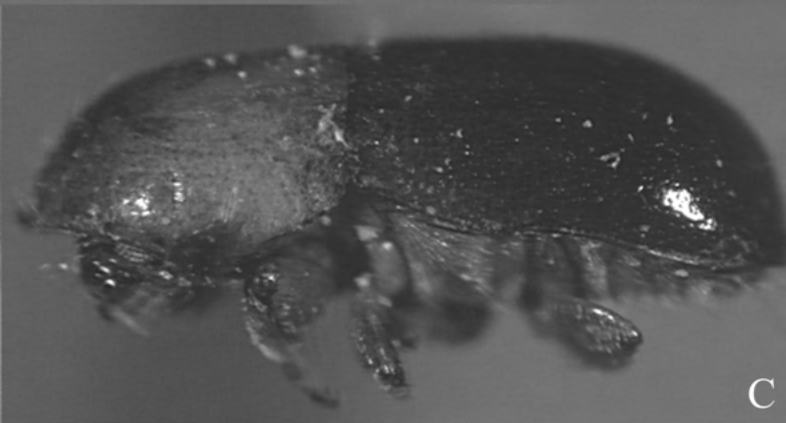
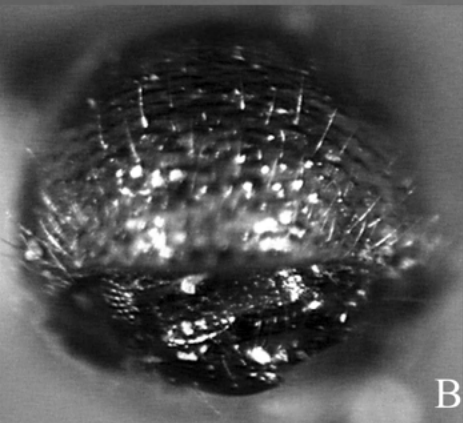
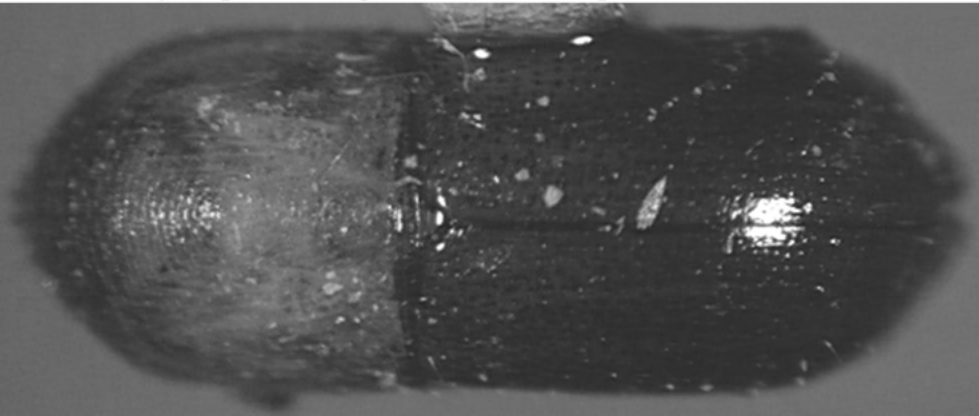
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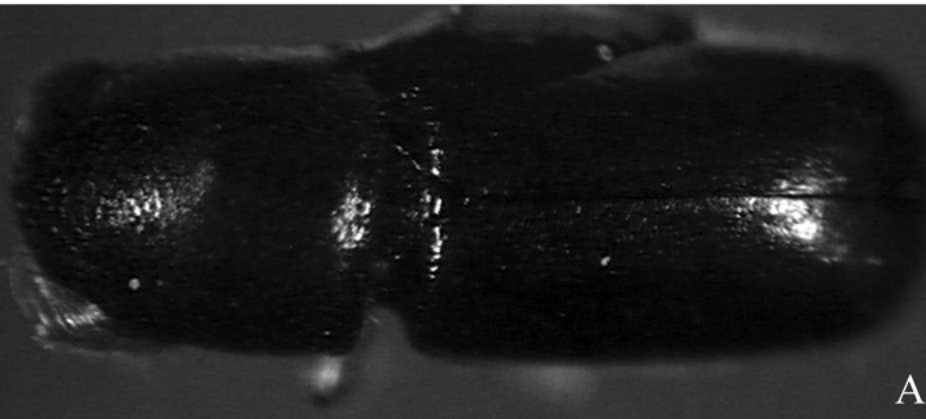


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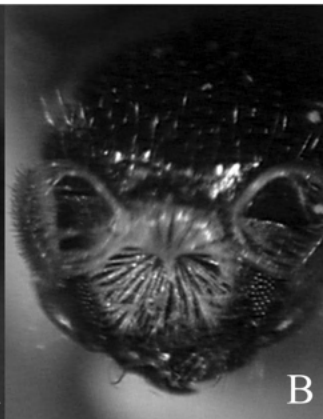


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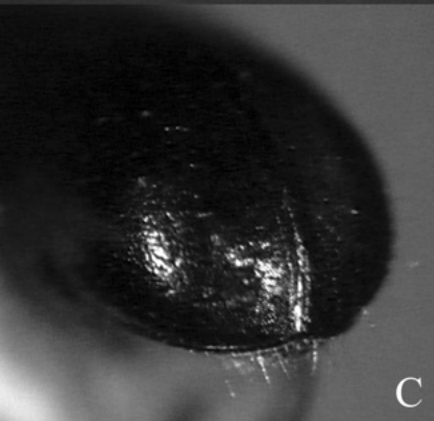




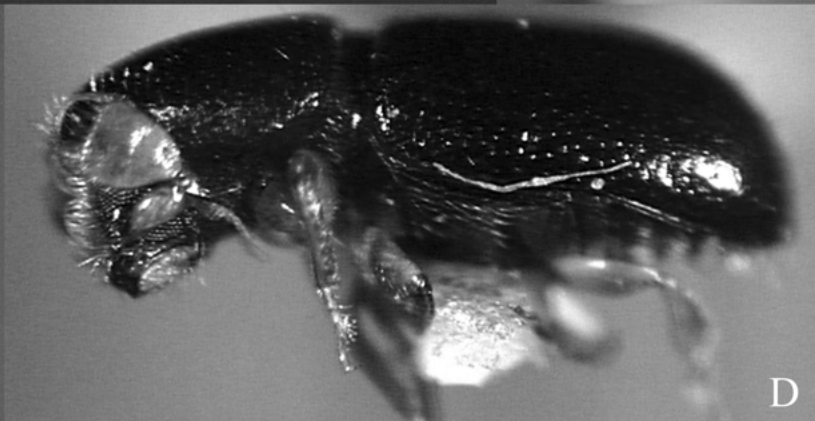
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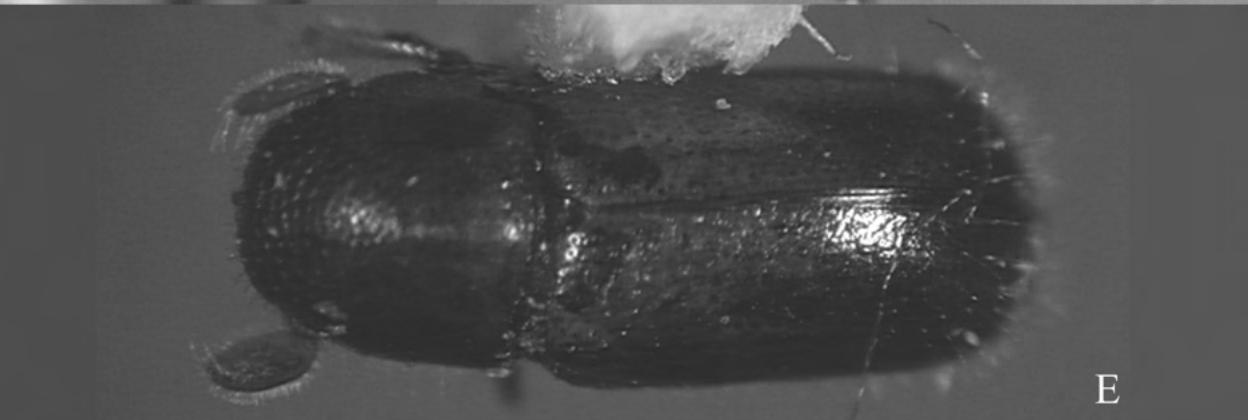
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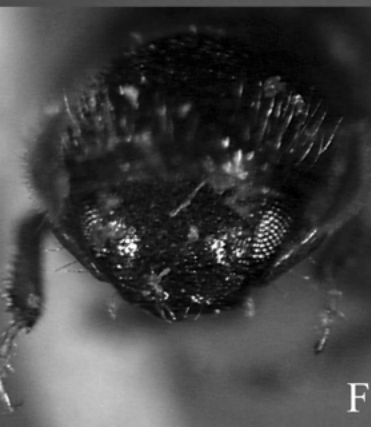
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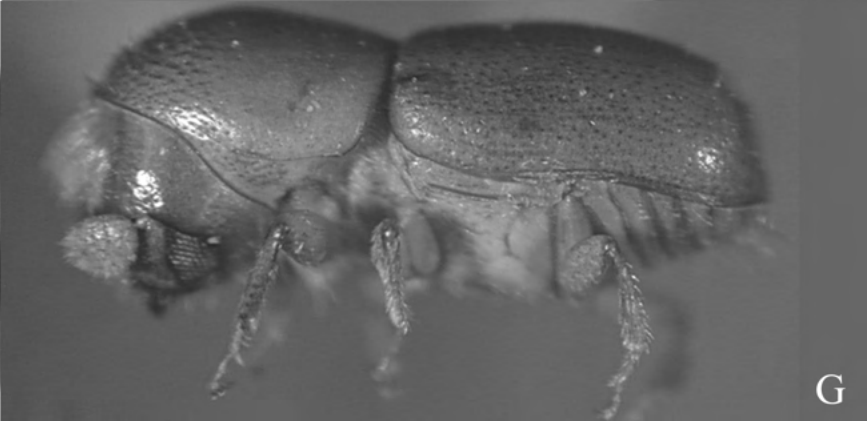
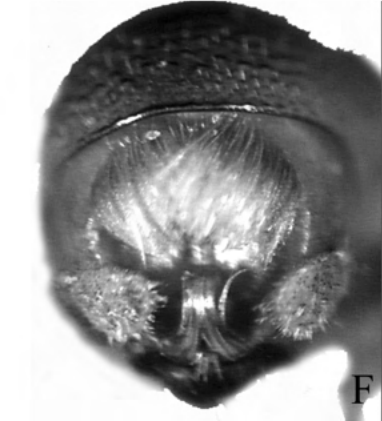
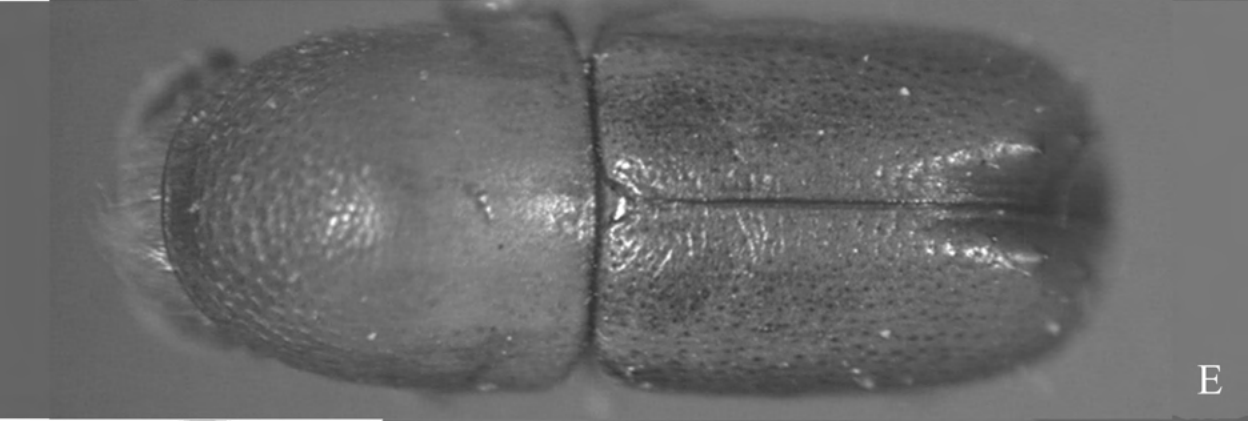
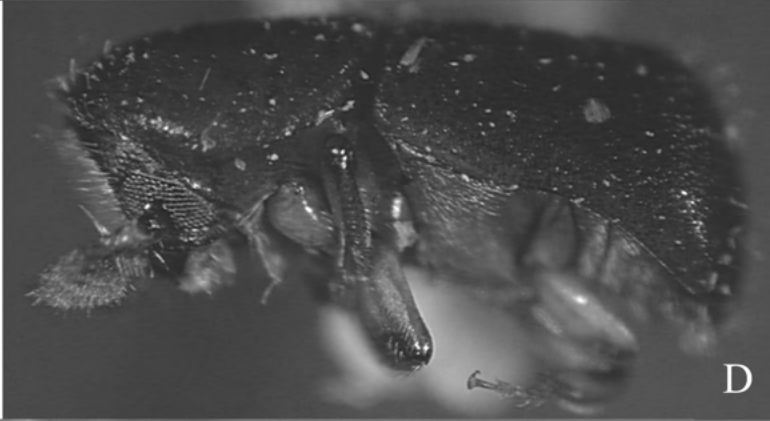
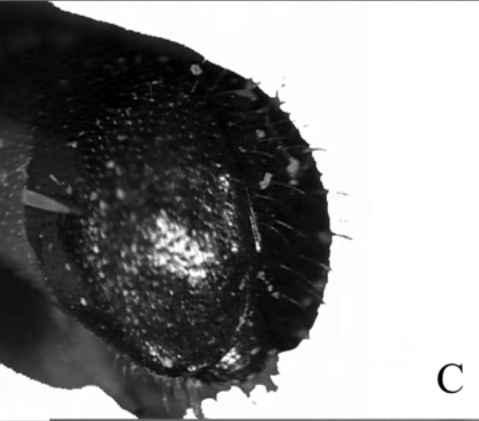
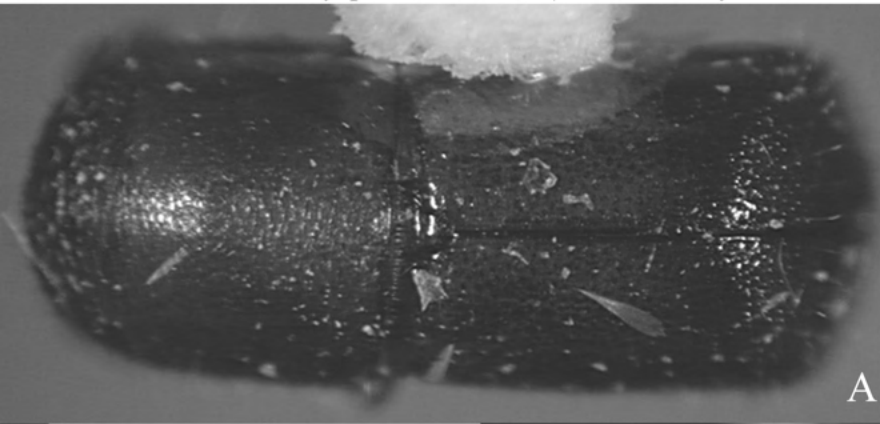
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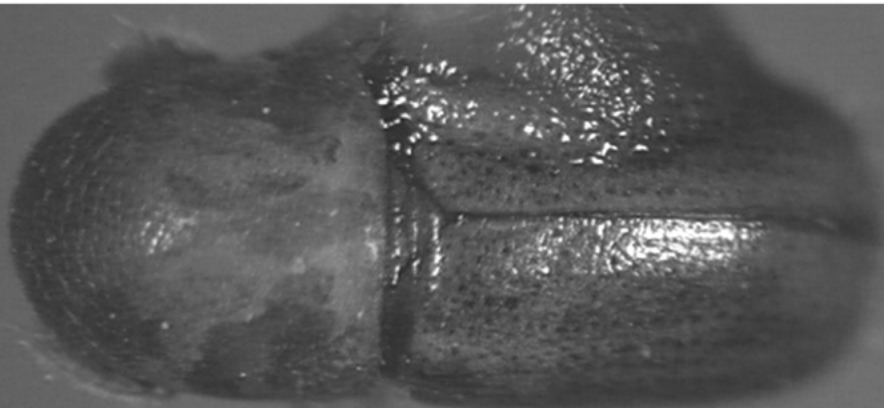


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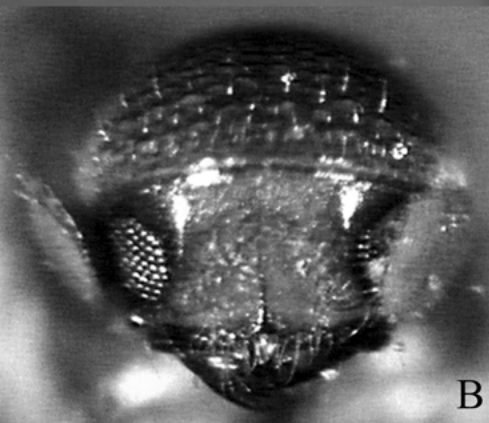


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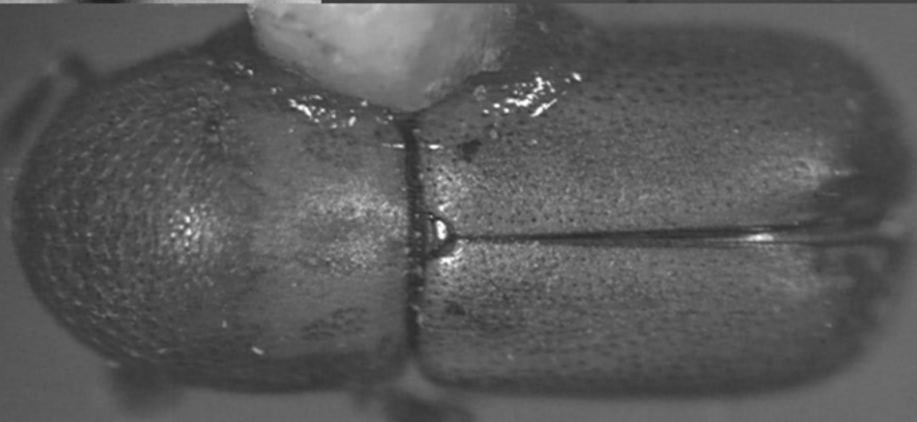
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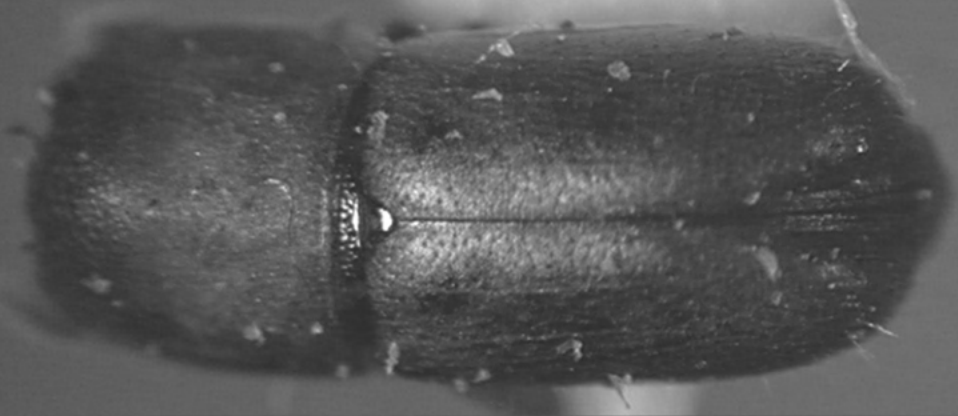
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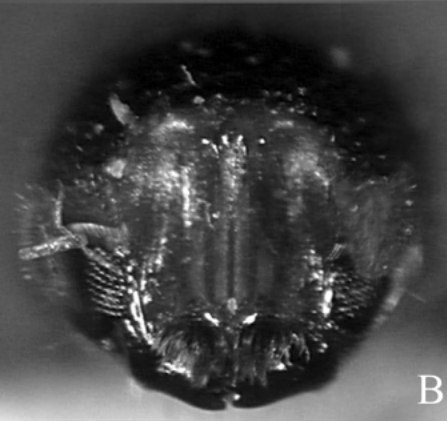
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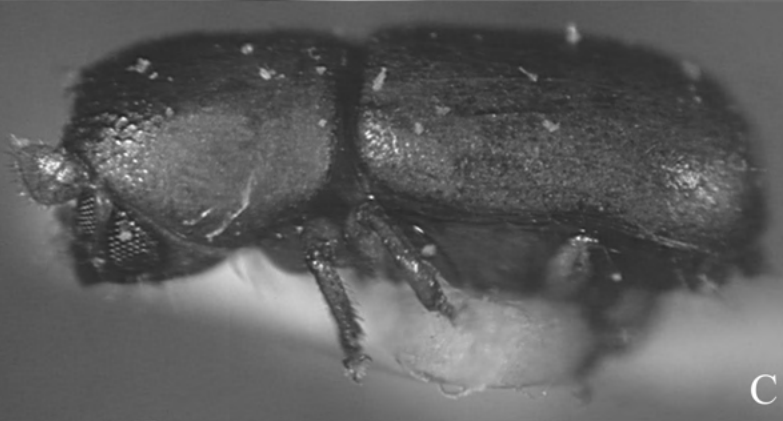
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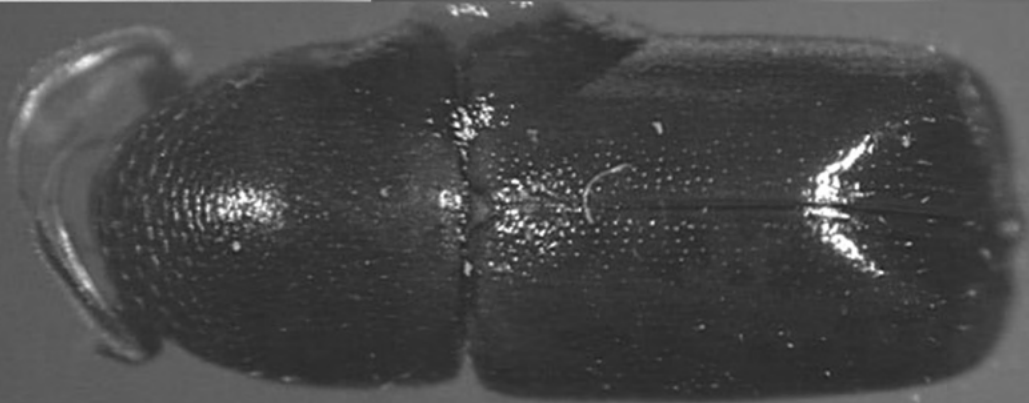
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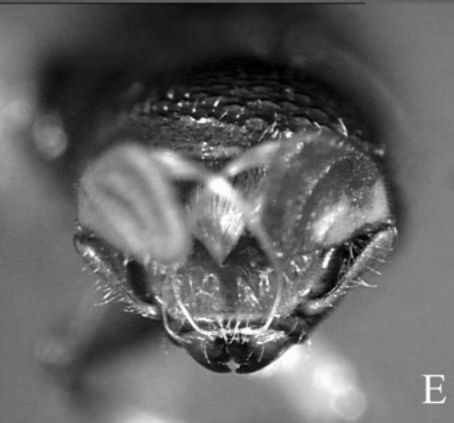
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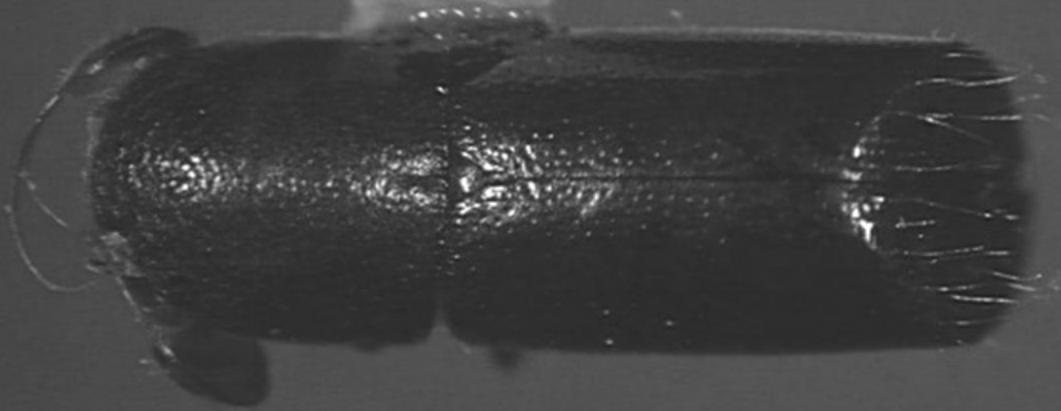
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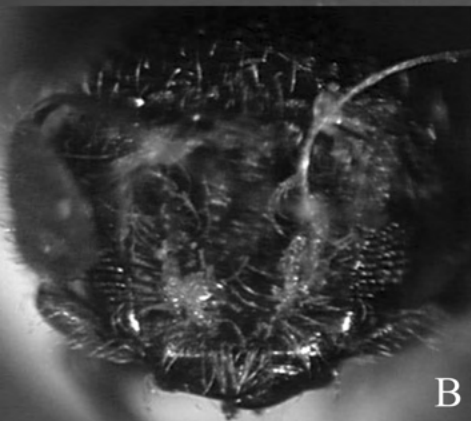
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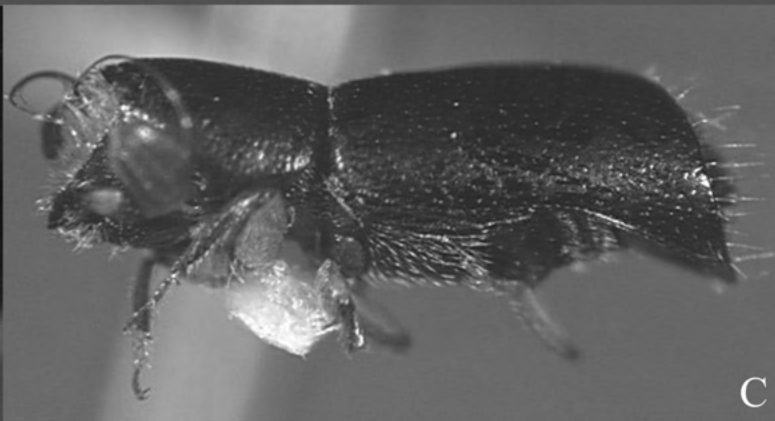
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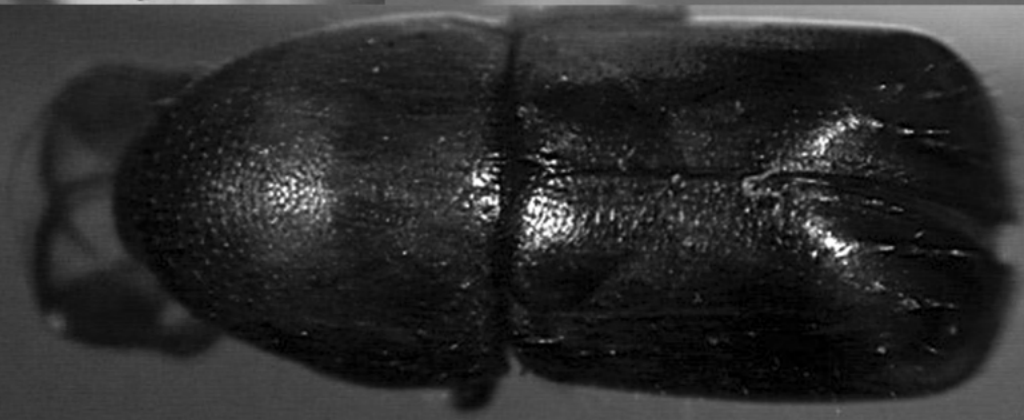
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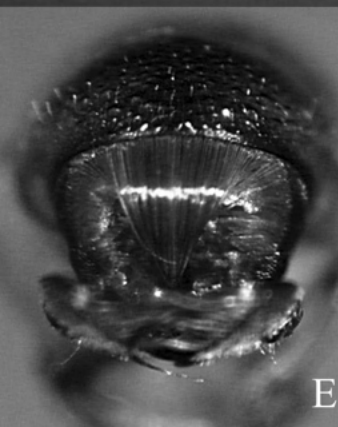
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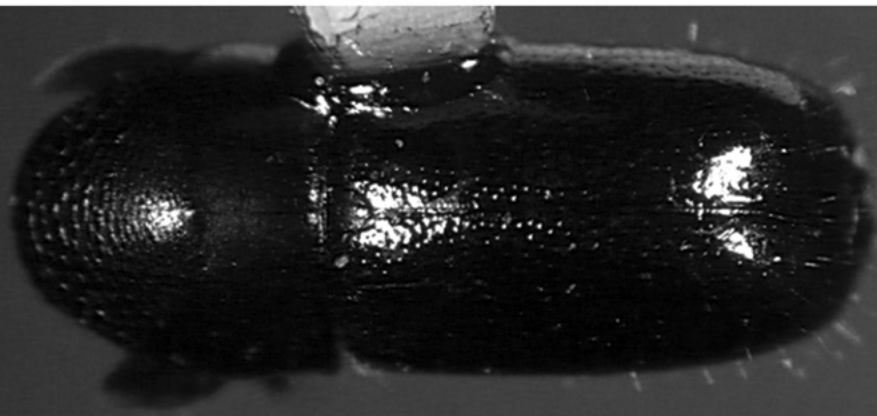
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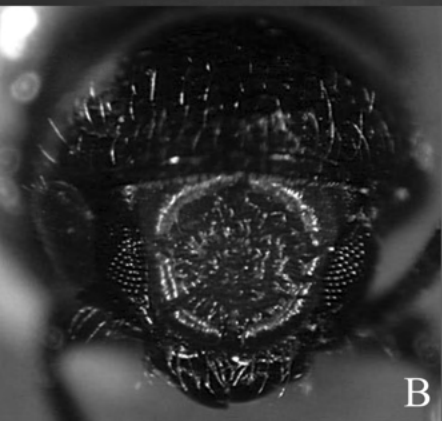
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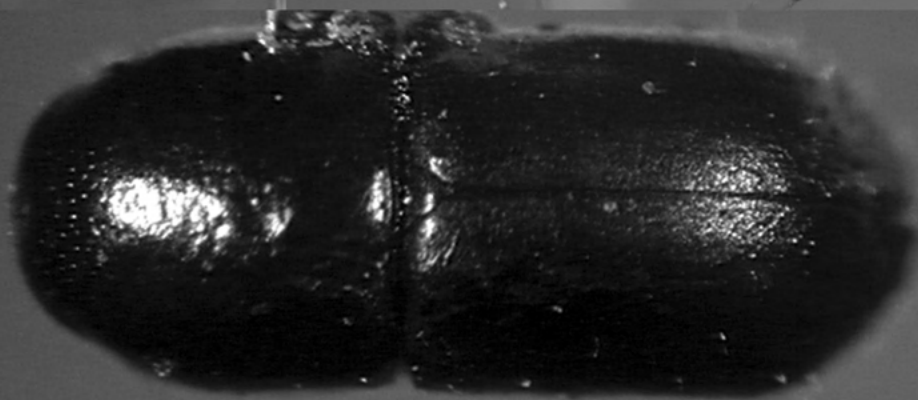
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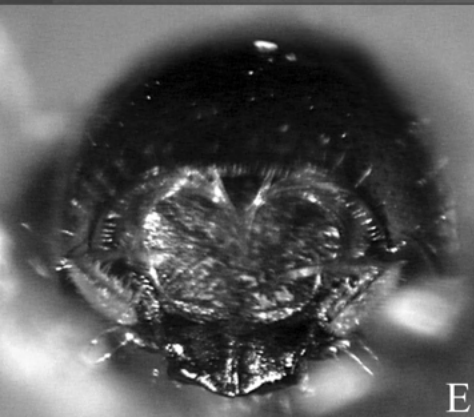
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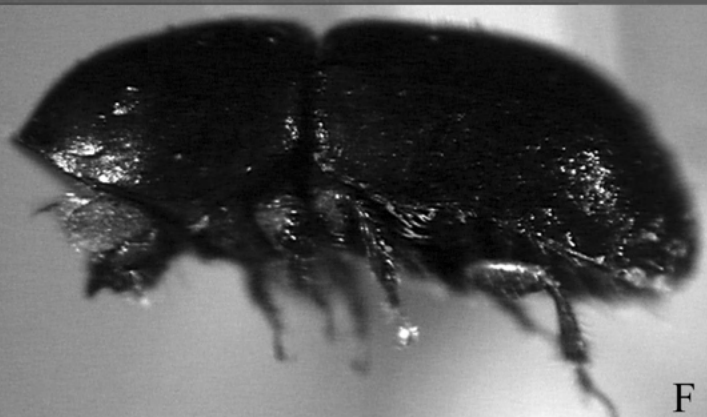
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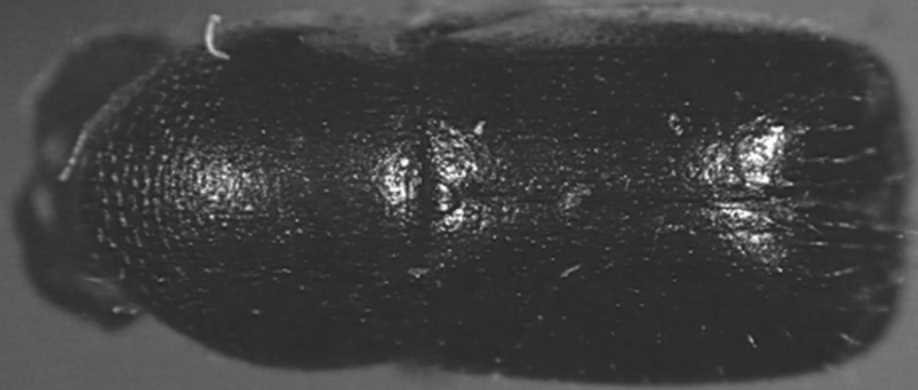
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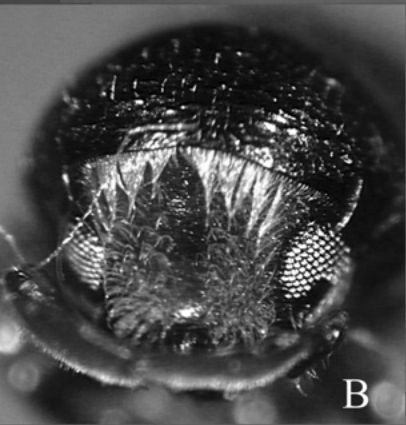
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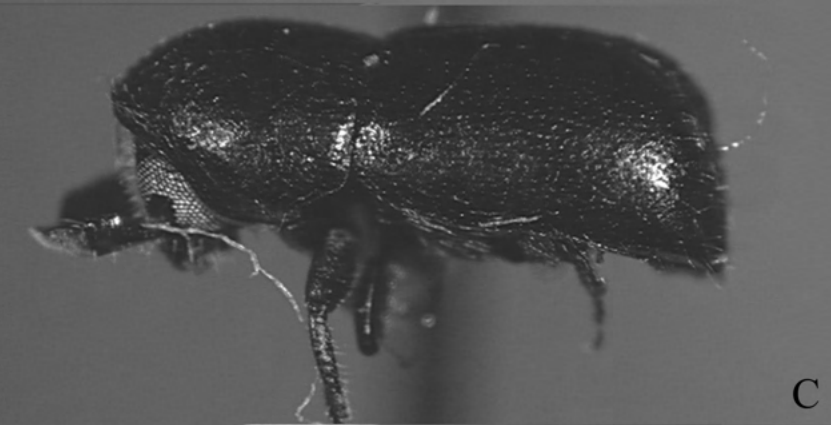
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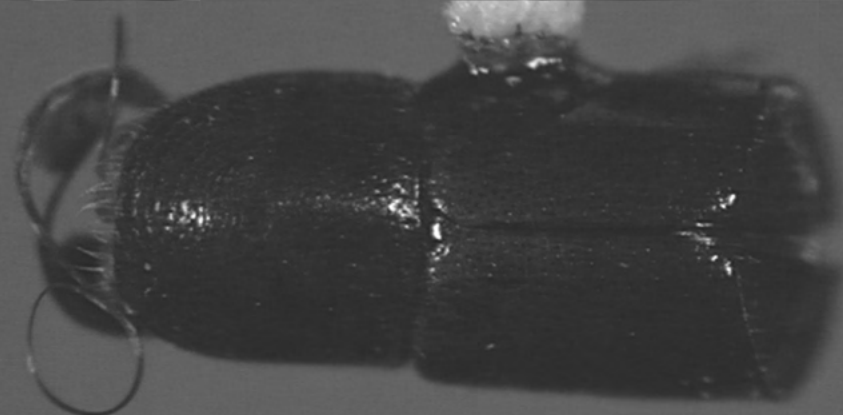
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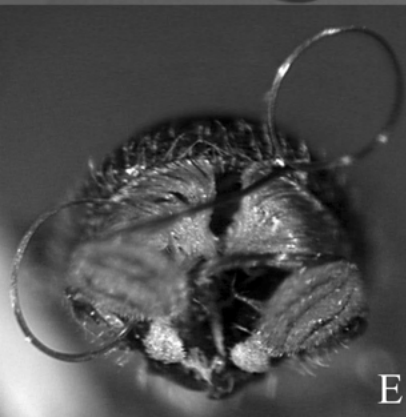
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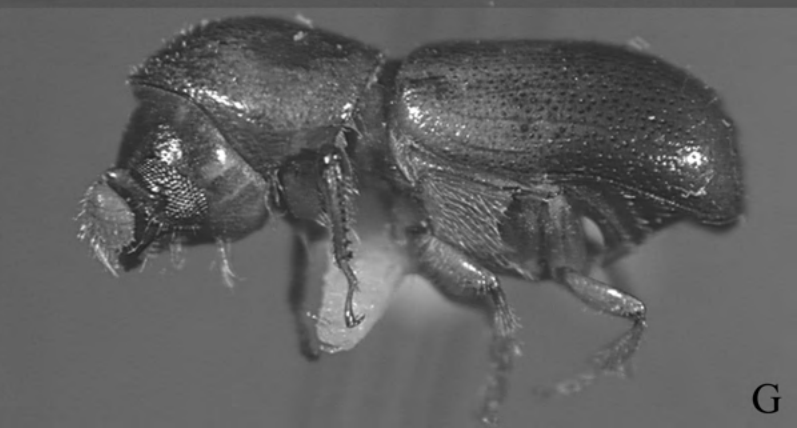
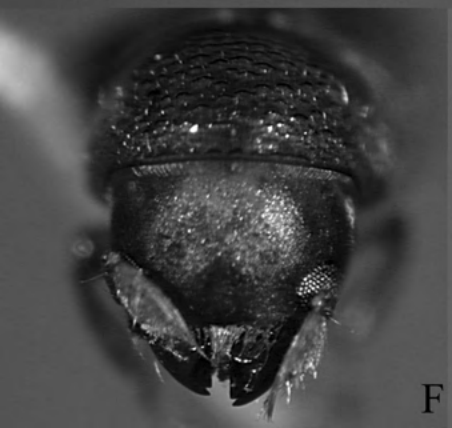
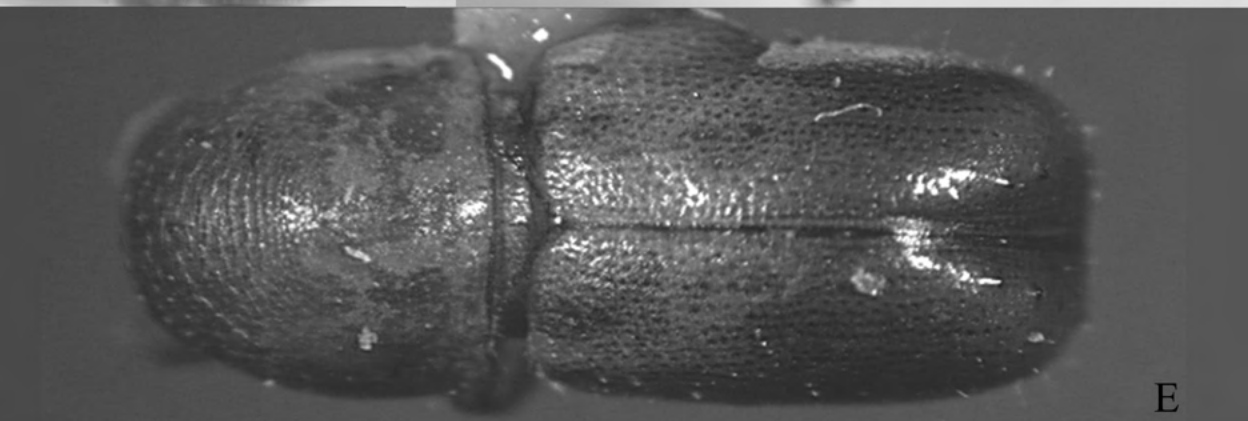
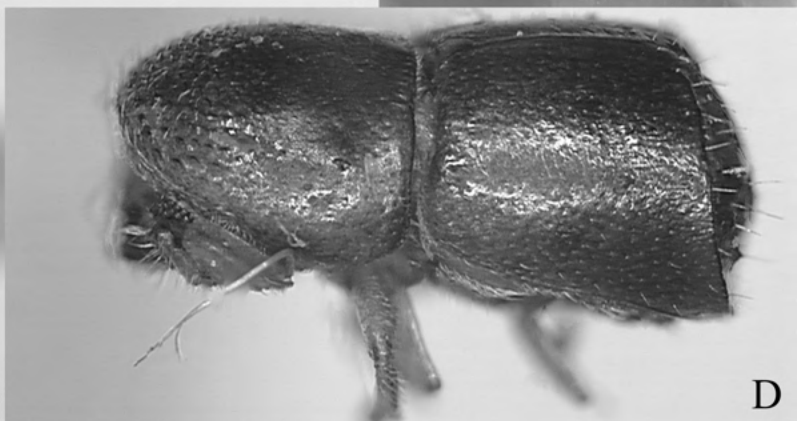
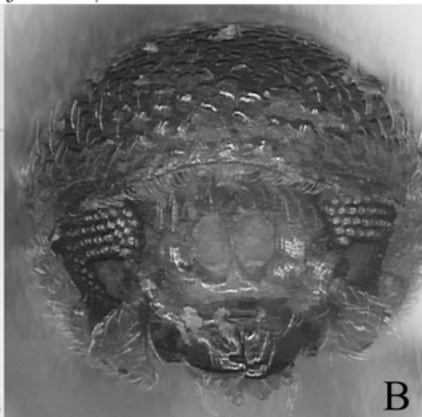
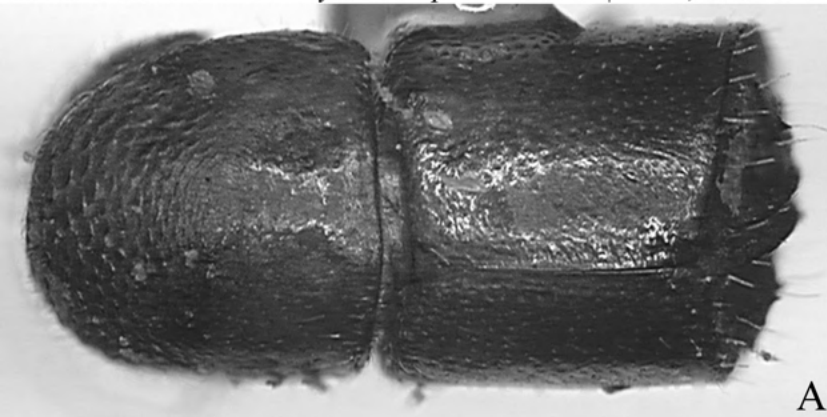
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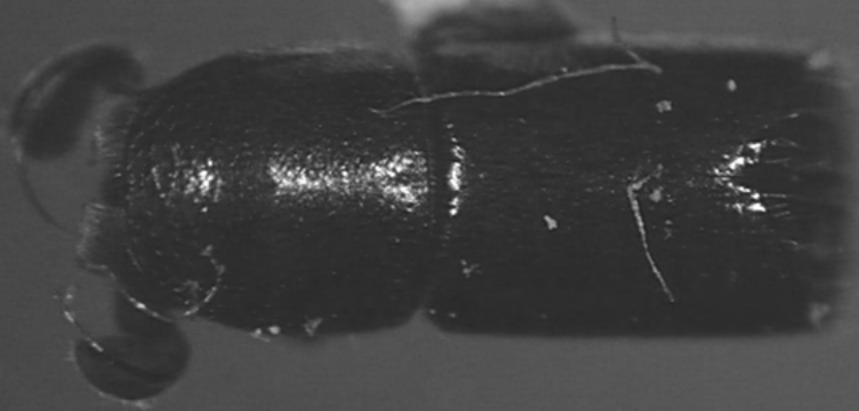


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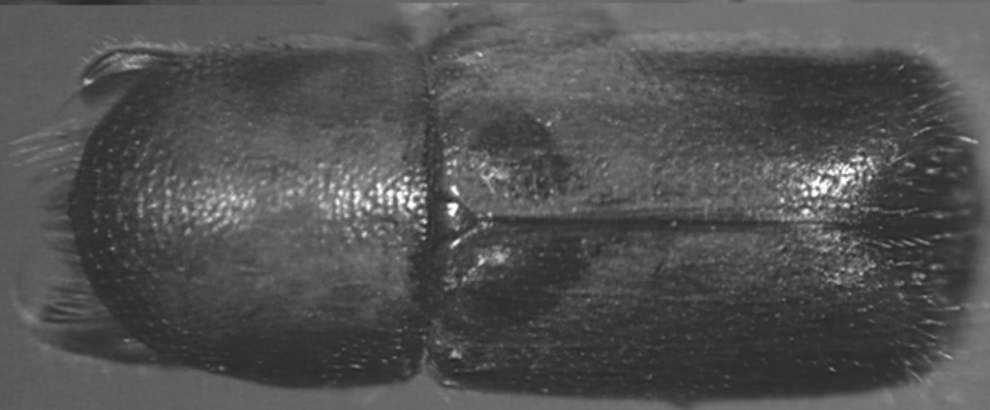
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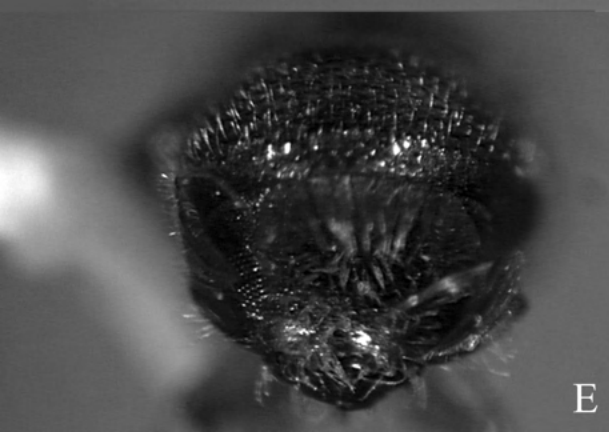
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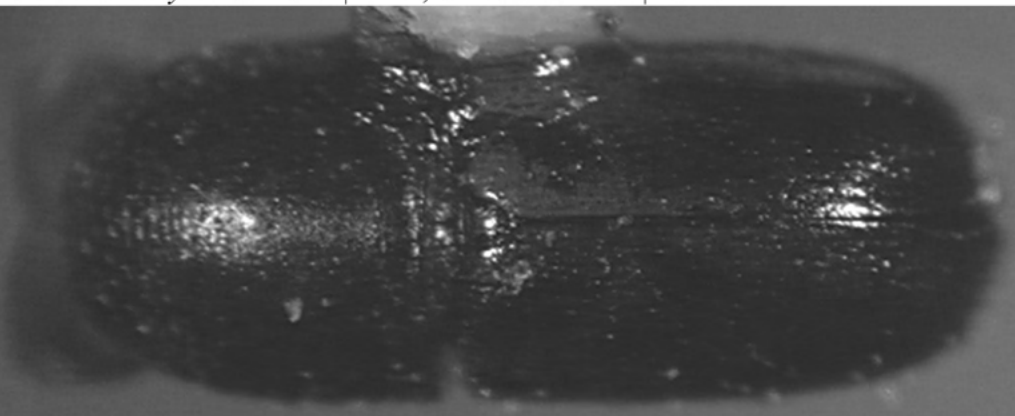
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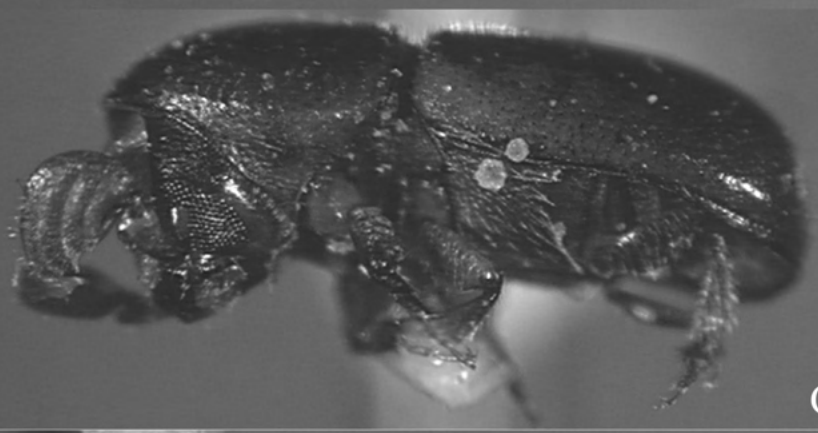
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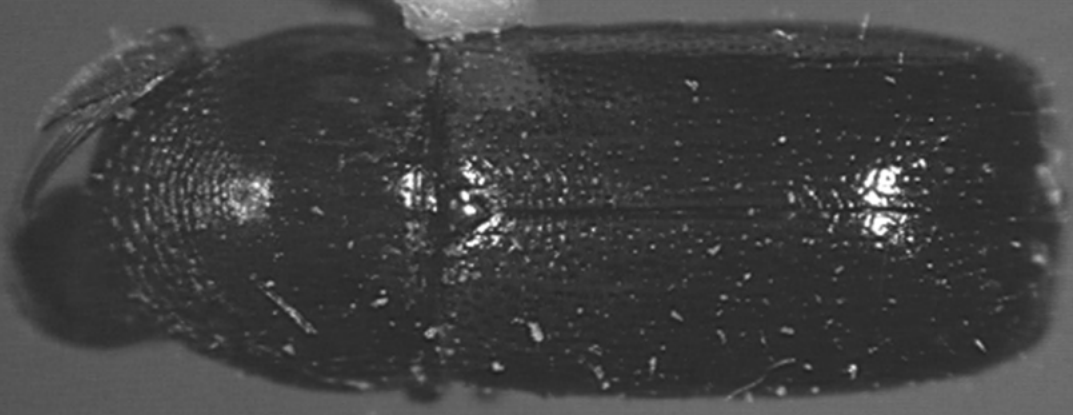
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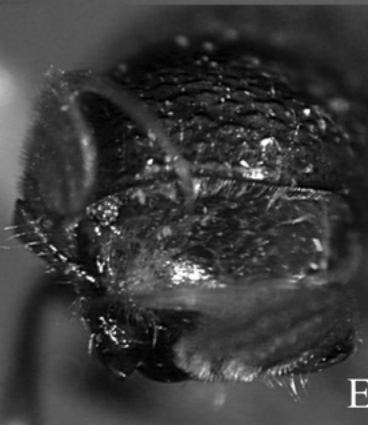
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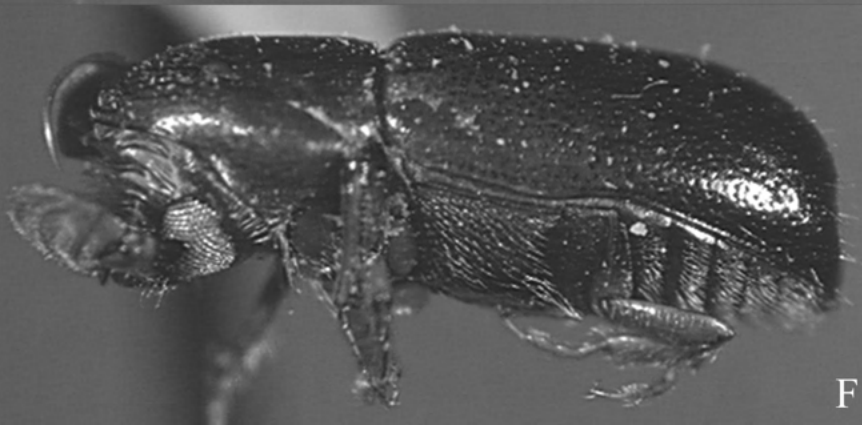
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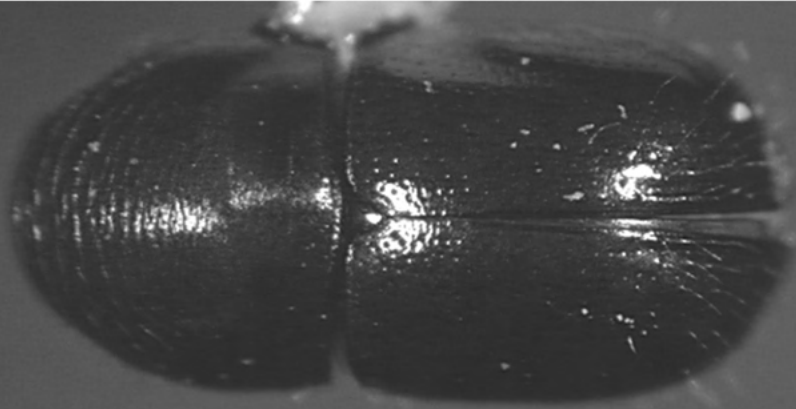
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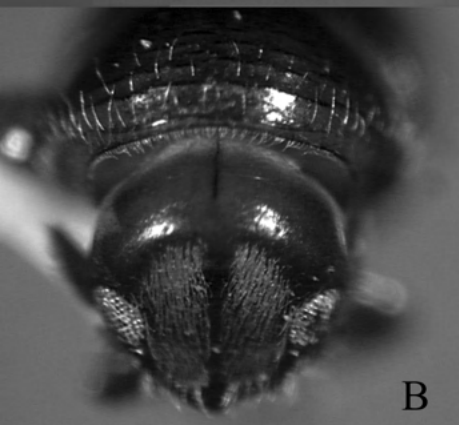
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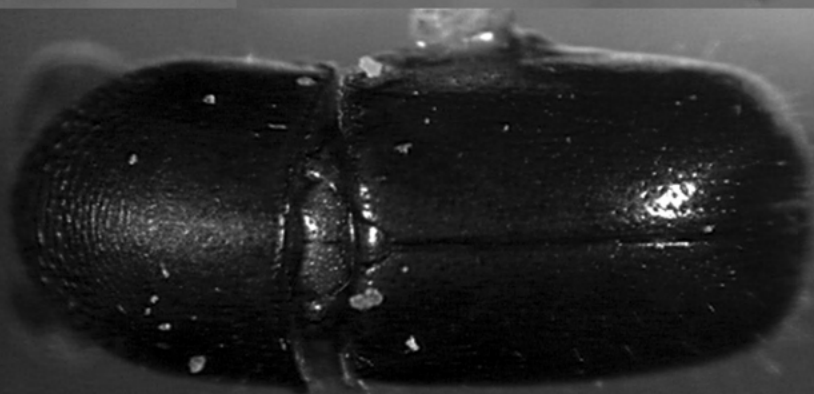
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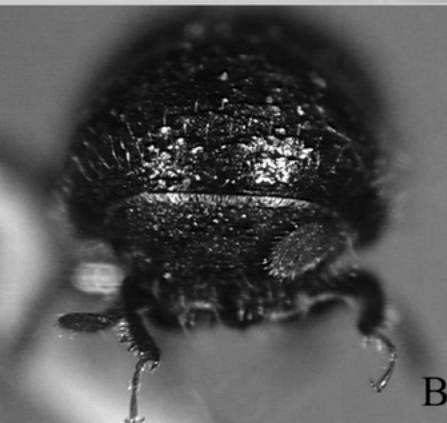
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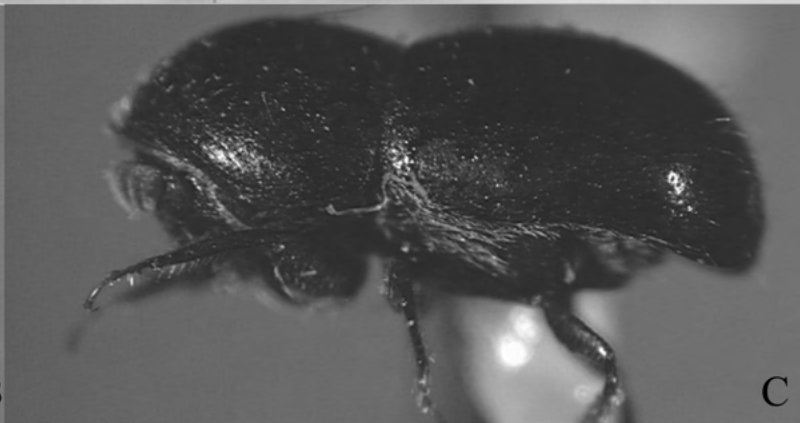
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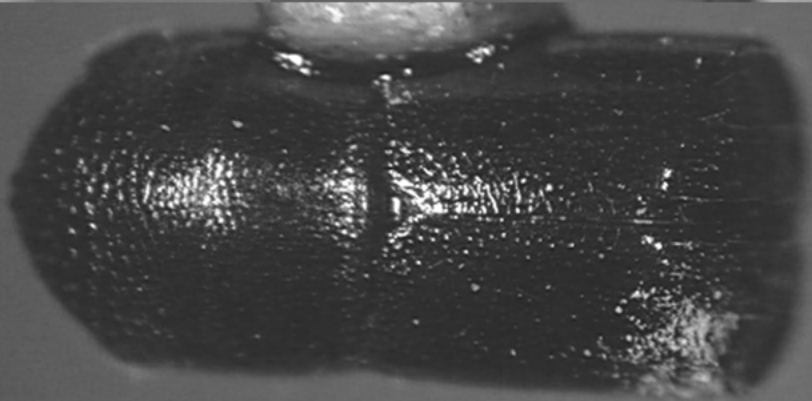
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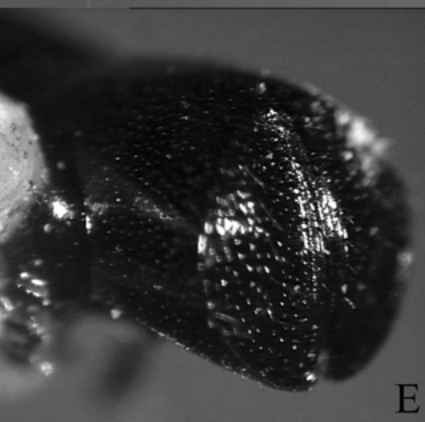
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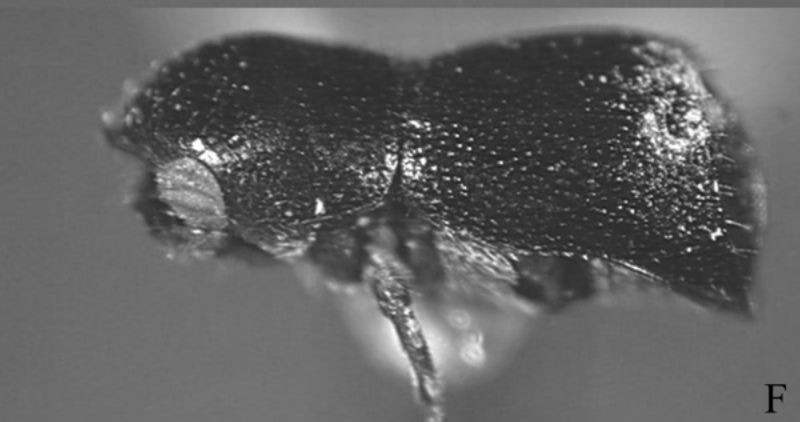
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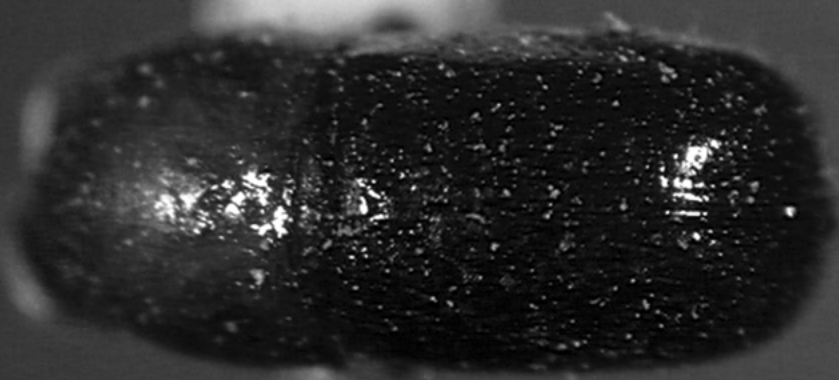
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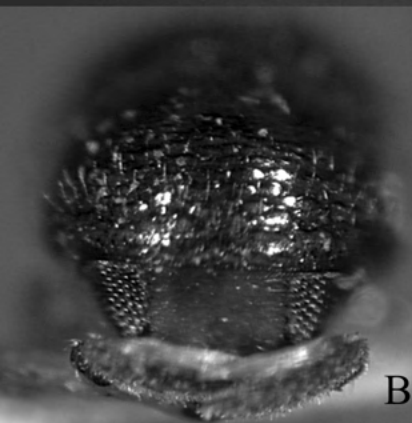
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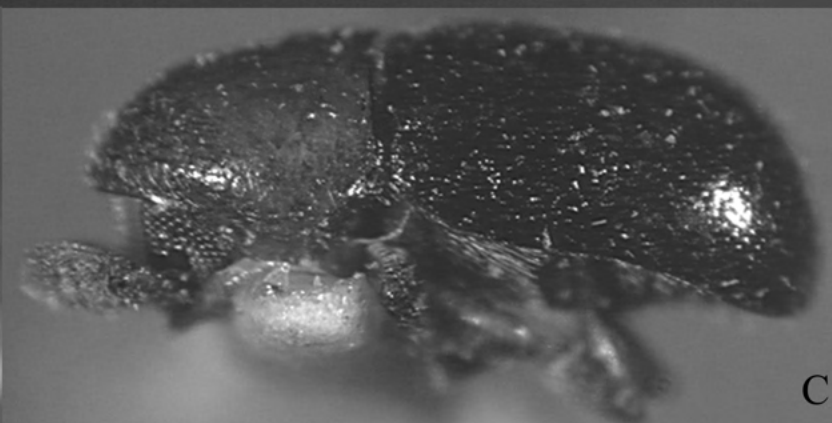
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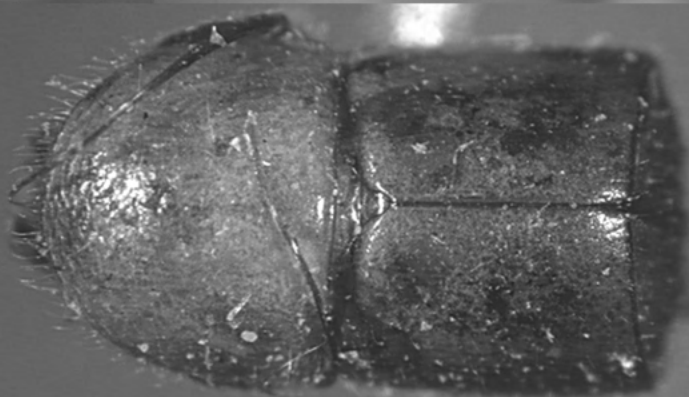
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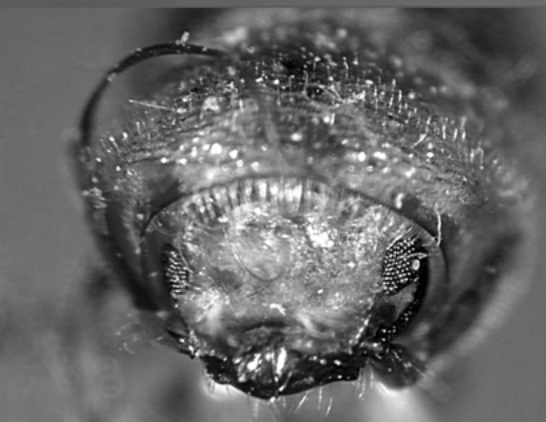
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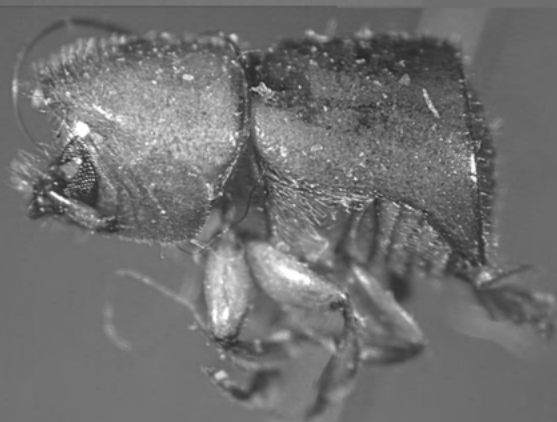
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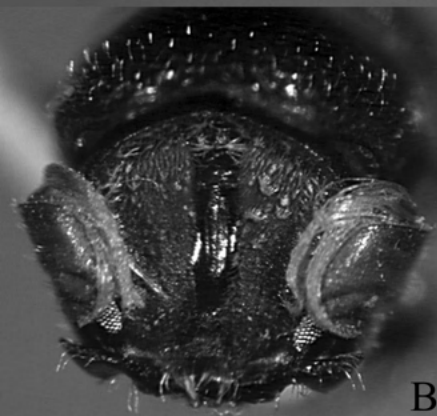
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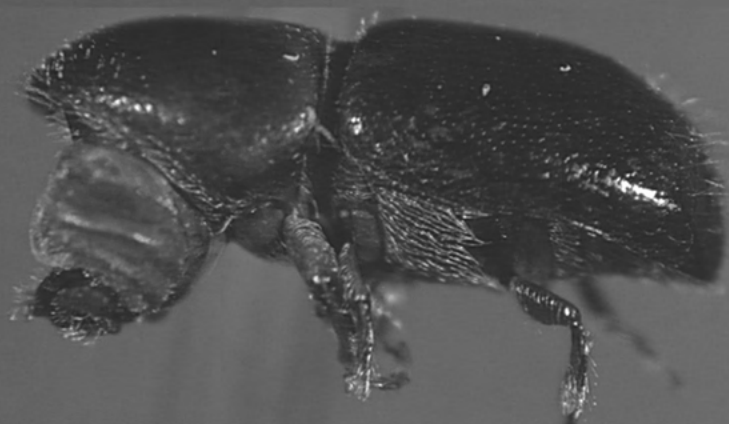
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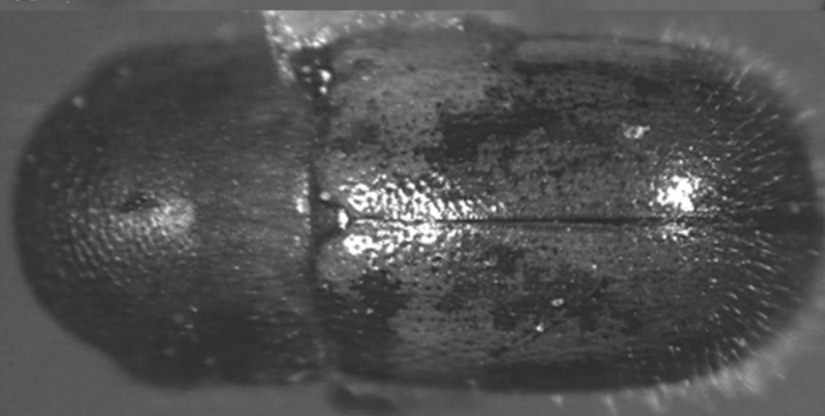
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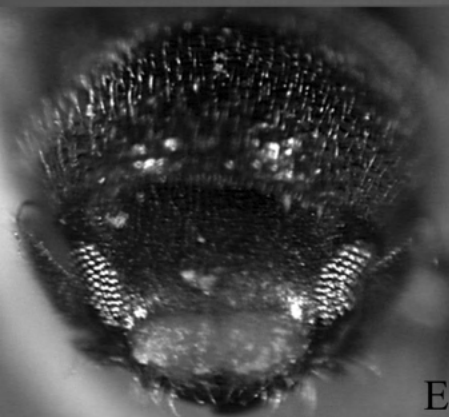
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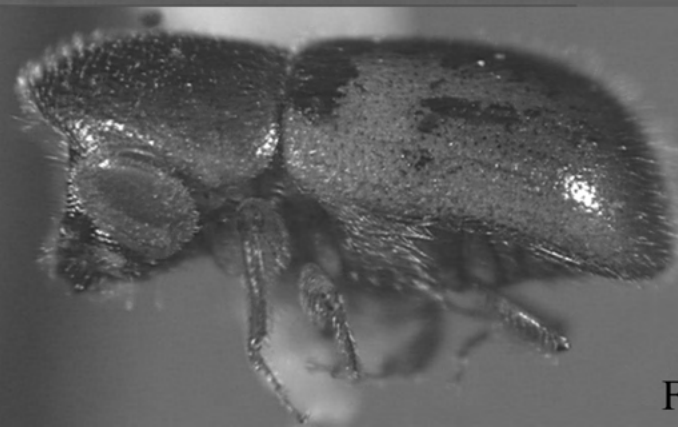
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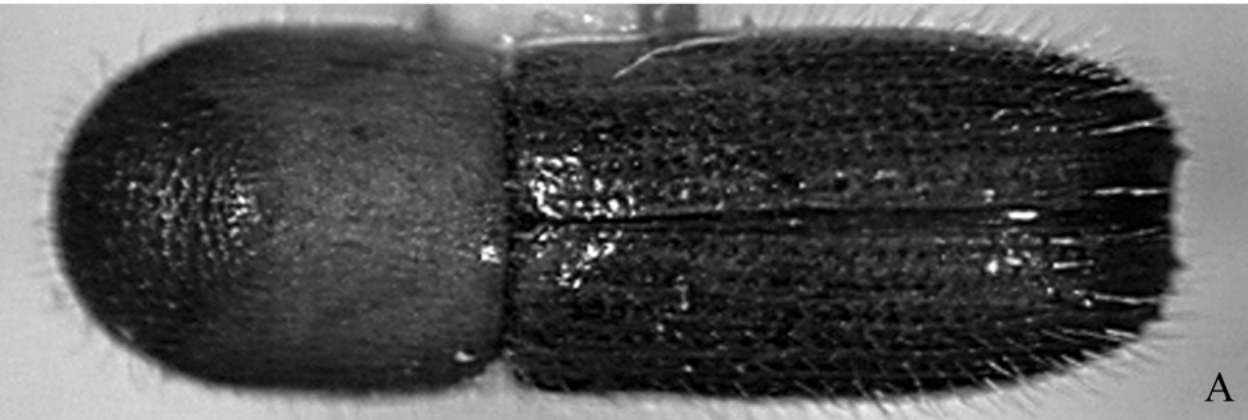
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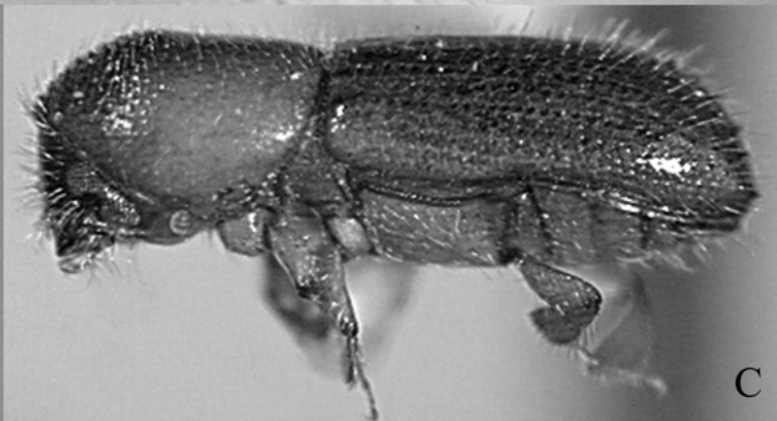
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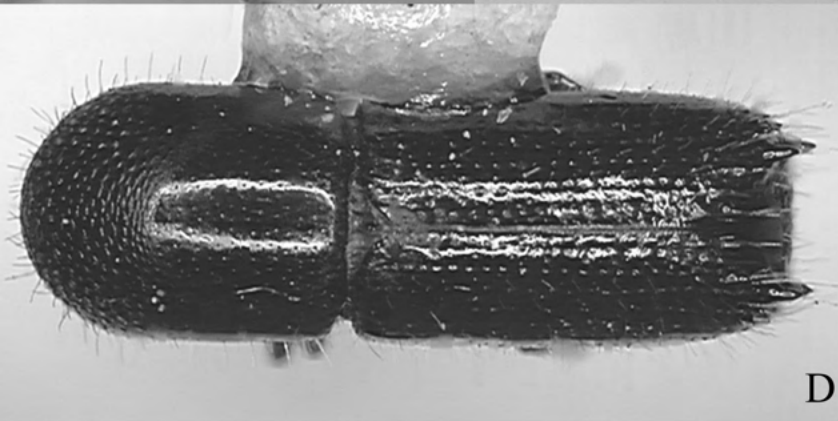
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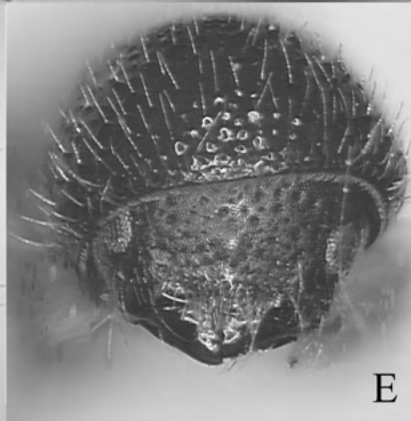
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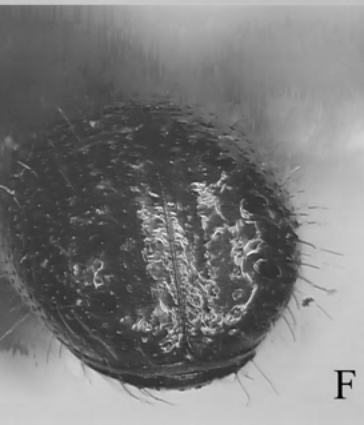
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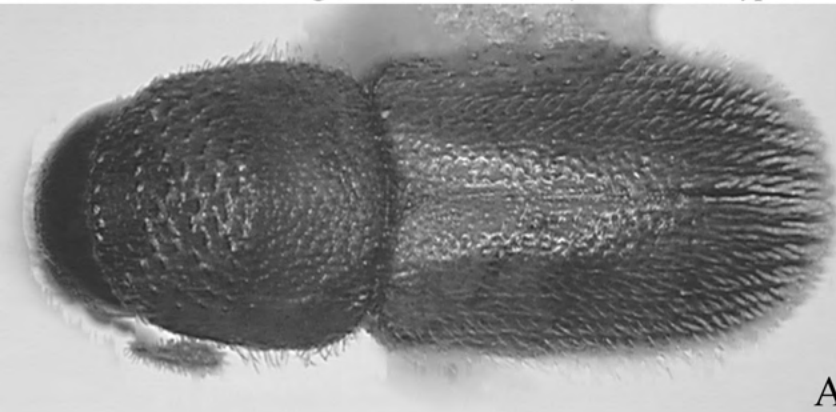
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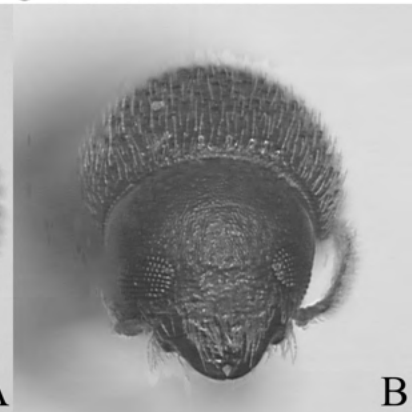
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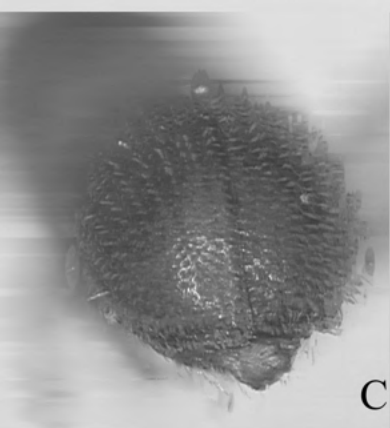
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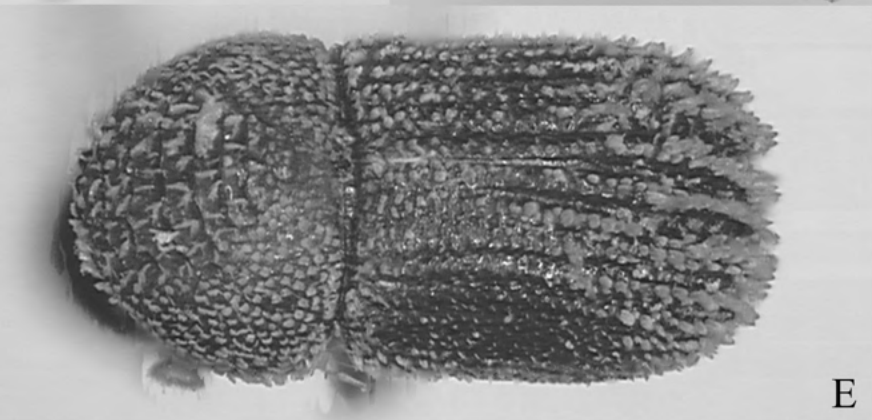
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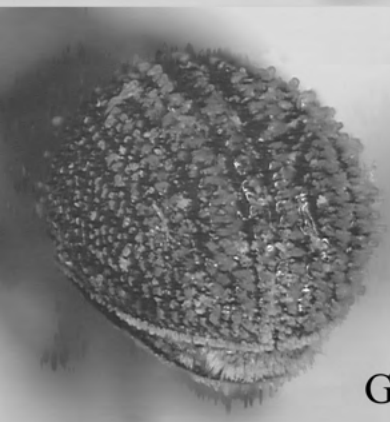
D



E



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H