

AUSTRALIAN FUNGI: NOTES AND DESCRIPTIONS.—No. 9

By J. BURTON CLELAND, M.D.

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534. *Amanita cinereo-annulosa*, n. sp.—Pileus 5 ad 8.2 cm., subplanus, interdum subumbonatus vel subumbilicatus, nitidus, interdum veli fragmentis membranaceis, cinereus vel pallidior. Lamellae ad stipem subattingentes, subconfertae, latae ad 1 cm., albae vel cremaceo-albae. Stipes 8.7 – 13.7 cm., crassus (1.5 - 2 cm.), subcavus, subbulbosus, radicans, striatus, supra subcinereus, infra albidus et fibrillosus. Volva larga, vaginata. Sporae ellipticae, 8 - 10 X 6 – 7 μ . S.A.— Encounter Bay.

535. *Lepiota cervicolor*, n. sp.—Pileus ad 4 cm., usitate ad 2 cm., planus, subumbonatus, tomento fibrilloso deinde squamis fibrillosis vel floccosis, cervicoloratus vel "mikado brown," ad peripherem carneo-cinnamoneus [carneo-cinnamomeus]. Lamellae non annectatae [annexae?], cremaceo-albae. Stipes substriatus, fibrillosus, albidus, supra subcarneus. Sporae ellipticae, 6.4 - 7 X 3.8 μ . S.A.—Adelaide.

536. *Hygrophorus fuligineo-squamosus*, n. sp.—Pileus 3.1 – 6.8 cm., irregulariter convexus et planus, subtiliter squamosus vel fibrilloso-floccosus, caryophyllo-brunneus vel cinereo-subniger. Lamellae adnato-arcuatae, adnexae vel fere subsinuatae, subconfertae, angusto-triangulares, subcrassae, glauco-cinereae. Stipes ad 5 cm., infra attenuatus, conico-radicatus, fibrillosus vel fibrilloso-squamulosus, fere araneo-fibrillis subnigris, subcinereo-albidus, fere punctis fuliginosis. Sporae ellipticae, obliquae, 7.5 - 9 X 4.5 – 5.5 μ . In terra. S.A.— Mount Lofty, Kinchina, MacDonnell Bay.

537. *Collybia tortipes*, n. sp.—Pileus 1.2 - 3.7 cm., convexus, subumbilicatus, fibrilloso-laceratus, subniger, luteo-brunneus vel caryophyllo-brunneus. Lamellae sinuatae, ventricosae, subdistantes, albae, in senectute luteo-brunneo-albidae. Stipes 3.1 - 4.4 cm., subtenuis, tortus, non-radicatus, subnitidus vel subfibrillosus, subcavus, cartilagineus, albidus. Sporae angustae, albae, 8 - 11 X 4 – 4.5 μ . In terra arenosa. S.A.—Willunga Hill, Summertown.

538. *C. penetrans*, n. sp.—Pileus 2.5 – 3.1 cm., e convexo irregulariter planus, interdum repandus, interdum subumbonatus vel subumbilicatus, innato-fibrillosus, interdum radiato-rugosus, russus vel ochraceo-fulvus vel aurantiaco-cinnamoneus [aurantiaco-cinnamomeus]. Lamellae subsinuato-adnexae, subconfertae, cinnamoneo-luteae [cinnamomeo-luteae], deinde ochraceo-fulvae. Stipes superans terram 1.8 – 3.1 cm., tenuis (4 cm.), cavus, pervelutinatus, "argus brown" et "Sudan brown," radice longa (5 - 7.5 cm.). Caro stibio-flava. Sporae obliquae, angusto-pyriformes, 7.5 - 8 X 4 - 4.5 μ . In terra arenosa. S.A.— Encounter Bay.

539. *C. percava*, n. sp.—Pileus 3.7 - 5 cm., perconvexus, deinde convexus, deinde irregulariter expansus, interdum umbonatus, "Mars brown" deinde russus vel subfulvus. Lamellae sinuato-adnexae, angustae (5 mm.), subconfertae, pallido-ochraceo-luteae. Stipes ad 5 cm., infra inflatus, supra attenuatus, nitidus, percavus, "Sayal brown" vel russus, supra pallidus. Sporae pyriformes, 5 X 3.7 μ . In terra. S.A.—National Park.

540. *C. elegans*, n. sp.—Pileus 1.8 - 3 cm., campanulato-convexus deinde perconvexus et obtuso-umbonatus, deinde subplanus, subrivulosus, cinnamoneo-rufus [cinnamomeo-rufus], fulvus vel aurantiaco-luteus, exsiccatus "burnt-sienna." Lamellae adnato-adnexae ad adnatae, confertae, angustae, crematae. Stipes 3.7-6.5 cm., tenuis

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(2 - 5 mm.), aequalis, nitidus, cartilagineus, solidus, ad basim interdum inflatus, concoloratus. Sporae angustae, 9 - 11 X 4.5 - 5.5 μ . In terra inter folia et lignum cariosum. S.A.—National Park, Mount Lofty.

541. *C. fusca*, n. sp.—Pileus 3 - 9.3 cm., convexus, subumbonatus, fuscus vel fusco-niger. Lamellae sinuatae, vel interdum adnatae, ad 1 cm. latae, subconfertae, pallido-subcinereae. Stipes 3 - 9.3 cm. X 5 - 8 mm., supra farinaceus, infra subfibrillosus, aequalis, farctus, subcinereo-pallidus vel subfusco-pallidus. Sporae ovoides, subirregulares, 7 - 9 X 4 - 5.5 μ . S.A.—Eagle-on-the-Hill, National Park.

542. *Mycena subnigra*, n. sp.—Pileus ad 1.8 cm. altus et latus, campanulatus ad conico-campanulatus, glaber, substriatus, subniger ad "Mummy brown." Lamellae adnatae vel sinuato-adnatae, dentibus subdecurrentibus, subconfertae, ventricosae, subcinereae. Stipes 5 cm. vel major, sursum subattenuatus, supra concoloratus, infra pallidus et perstrigosus. Sporae 7.5 - 9 X 4.5 - 5.5 μ . Plantae ad truncos caespitosae. S.A.—Mount Lofty, Caroline State Forest.

543. *M. eucalyptorum*, n. sp.—Pileus 2.5 - 3.1 cm., lato-conicus vel conico-convexus, deinde convexus et obtuso-umbonatus, glaber, ad marginem substriatus et pallidus, subnigro-cinereus. Lamellae sinuato-adnexae interdum ad collare, subconfertae, angustae, subcinereae. Stipes ad 6.2 cm., tenuis, cavus, ad basim substrigosus, supra pallidus, deinde pallido-brunneus, ad basim subnigro-cinereus. Sporae 9.3 X 5.5 μ . Plantae in truncis prostratis caespitosae. S.A.—Second Valley Forest Reserve, Mount Lofty, National Park, Baker's Gully.

544. *M. Cunninghamiana*, n. sp.—Pileus ad 4.3 cm., convexus, subumbonatus, irregulariter rugosus, flavo-avellaneus, ad apicem brunniore deinde subniger. Lamellae adnatae, subconfertae, subangustae, pallido-vinaceo-luteae. Stipes 7.5 cm., supra glaber, cavus, ad basim perstrigosus et "Verona brown," supra pallidior. Sporae 8 - 8.5 X 5.5 μ . Plantae in truncis caespitosae. S.A.—Mount Lofty.

545. *M. fusca*, n. sp.—Pileus 1.2 - 1.8 cm. vel maior, conico-campanulatus vel lato-conicus vel convexus, deinde umbone subacuta subplanus, striatus, ad marginem cinereus vel pallido-cinnamoneo-cinereus [pallido-cinnamomeo-cinereus] vel "wood brown," in medio fuscus vel fusco-subniger vel "bone brown," hygrophanus deinde pallido-brunneus. Lamellae dentibus subdecurrentibus adnatae, subconfertae, cinereo-pallidae. Stipes 3.7 - 5 cm., tenuis, subfragilis, glaber, cavus, infra pallido-olivaceo-brunneus vel vinaceo-luteus vel "bone brown," supra pallidior, ad basim substrigosus vel sub-myceliosus. Odor subnitrosus. Sporae 7.5 - 11 X 3.5 - 5 μ . Plantae in terra humida vel in foliis putrescentibus solitariae. S.A.—Waterfall Gully, National Park.

546. *M. subcapillaris*, n. sp.—Pileus 3 - 5 mm., altus 2.5 mm., umbilicatus, sulcatus, albus ad pallido-brunneus. Lamellae adnatae, subdistantes, circa 14, cystidiis horridae, albae. Stipes 2.5 - 3. cm., pertenuis, subpellucido-albidus, crinibus dispersis, in

matricem abrupte penetrans. Sporae subangustae, 7.5 X 3.7 μ . In virgibus, frondibus mortuis, etc. S.A.—Mount Lofty.

547. *M. albido-fusca*, n. sp.—Pileus 10 mm., convexo-hemisphaericus [convexo-hemisphaericus], umbonatus, substriatus, umbone albido fuscus. Lamellae dentibus decurrentibus adnatae, subdistantes, subcinereae. Stipes 5 cm., pertenuis, ad basim fibrillis paucis, infra brunneus, supra pallidus. Sporae ellipticae, 8 X 5.5 μ . Plantae foliis putrescentibus adhaerentes. S.A.—Mount Lofty.

548. *Omphalia paludicola*, n. sp.—Pileus ad 10 mm., campanulatus, deinde convexus, subumbilicatus, rugoso-striatus, subcinereo-carneo-luteus. Lamellae perdecurrentes, distantes, albae. Stipes 19 mm., tenuis, concoloratus. In palude. S.A.—Mount Lofty.

549. *O. olearis*, n. sp.—Plantae albae vel in pileo creamaceo-albae [cremaceo-albae]. Pileus 8 mm., conico-convexus, deinde convexus et interdum subumbonatus, glaber.

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Lamellae decurrentes, confertae. Stipes ad 3 cm., undosus, glaber. Plantae ad bases olearum. S.A.—Beaumont.

550. *Pleurotus malleeanus*, n. sp.—Pileus ad 11.2 cm., convexus, margine incurvato, glaber vel nodosus et irregularis, cinnamoneo-luteus [cinnamomeo-luteus]. Lamellae decurrentes, confertae, 6 mm. latus, carneo-luteae. Stipes 3.1 - 10 cm., centralis vel excentricus vel lateralis, supra 2-5 cm. latus, aequalis vel deorsum attenuatus, durus, solidus, albus. Caro crassa vel 1 - 2 cm. Sporae elongatae, 8 - 10 X 4 μ . Ad bases mallee-truncorum senum. S.A.—Monarto South.

551. *Entoloma reticulata*, n. sp.—Pileus 2.5 - 5 cm., convexus, subumbilicatus, lineis concentricis et interdum rimosis reticulatus vel adversum marginem portionibus irregularibus elevatis et fissuris pallidioribus, cinereus. Lamellae dentibus subdecurrentibus subsinuatae, confertae, angustae, cinereo-carneo-luteae. Stipes 1.8 cm., subtenuis, infra striatus, infarctus vel interdum cavus, particulis pallido-fumoso-cinereis, subter subniger. Caro tenuis, albida. Sporae subsph[a]erico-pyriformes, subangulatae, subcoloratae, 4.5 - 5.5 μ . Ad terram. S.A.—Mount Lofty.

552. *E. muscorum*, n. sp.—Pileus ad 3 cm., irregulariter convexus, subumbonatus, luteo-brunneus. Lamellae profundo-sinuato-adnexae, subconfertae, ventricosae, avellanae. Stipes 3 - 7 cm., subtenuis, tortus, cavus, corneo-subcinereus. Caro corneo-subcinerea. Sporae irregulariter ellipticae, subcoloratae, 8 - 8.5 X 6.5 μ . Inter muscos. S.A.—Greenhill Road.

553. *E. serrata*, n. sp.—Pileus 2 - 5 cm., perconvexus, irregularis, glaber, albus, in centrum subluteus. Lamellae adnexae, paene disjunctae, subascendentes, confertae, angustae, marginibus serratis, subfusco-carneae. Stipes 3.1 cm. X 6 mm., aequalis, substriatus, solidus, subluteo-albidus. Sporae obliquae, 10-11 X 5 μ . In terra paludosa. S.A.—Mount Compass.

554. *Clitopilus australiana*, n. sp.—Pileus 3 cm., convexus, umbilicatus, pallido-brunneus. Lamellae subdecurrentes, confertae, pallido-brunneae. Stipes 2.5 cm., fibrillosus, pallidus. Sporae pyriformes, subangulatae, subcoloratae, 6.5 - 7 X 5.5 μ . S.A.—National Park.

555. *Leptonia albida*, n. sp.—Pileus ad 1.8 cm., subirregulariter convexus, deinde planus vel subconconvexus, subumbonatus, albus. Lamellae adnatae vel subsinuatae, subconfertae, albidae. Stipes 1.8 cm., tenuis, infra subattenuatus, infarctus vel subcavus, infra fuscus, supra albidus. Sporae subsphaericae [subsphaericae], angulatae, subcoloratae, 6.5 X 3.2 μ , 4.8 μ . S.A.—Kinchina.

556. *L. macrospora*, n. sp.—Pileus ad 2.5 cm., convexus, irregulariter umbilicatus, margine crenato, pallido-subcarneo-brunneus. Lamellae adnatae vel adnato-decurrentes, subconfertae, subtriangulares, pallido-salmoneo-carneae. Stipes ad 2.5 cm., tenuis vel subcrassus, subsericeus, interdum torsus, subcavus, albidus, ad basem mycelio. Sporae carneae, angulatae, 11 – 16 X 8 μ . Apud muscos. S.A.—Port Lincoln.

557. *L. tabacina*, n. sp.—Pileus 1.8 – 2.5 cm., convexus, umbilicatus, subfibrillosus, substriatus, tabacinus. Lamellae adnexae, subconfertae, ventricosae, pallido-carneo-cinnamoneae [carneo-cinnamomeae]. Stipes 3.7 cm., tenuis, sursum attenuatus, nitidus, subcavus, "bistre" vel luteo-brunneus, supra pallidior. Sporae angulatae, 6.5 μ , 7.5 - 8 X 5.5 μ . S.A.—Stirling West, Mount Lofty, Eagle-on-the-Hill.

558. *L. radicata* n. sp.—Pileus ad 2.5 cm., irregulariter convexus, umbilicatus, subfibrillosus, subfusco-cinereus. Lamellae subdecurrentes, marginibus subcrassis, salmoneo-cinereae. Stipes 1.8 cm., subtenuis, fibrillosus, supra farinaceus, solidus, pileo pallidior, radice longa attenuata. Sporae pyriformes, subirregulares, subcoloratae, 7.5 - 8 X 5 – 5.5 μ . S.A.—Kinchina.

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559. *L. fusco-marginata*, n. sp.—Pileus 2.5 – 3.7 cm., subconvexus vel subplanus, umbilicatus, subfibrillosus, striato-rugosus, margine interdum crenulato, subniger. Lamellae sinuato-adnexae, confertae, angustae, pallido-cinnamoneo-cinereae [pallido-cinnamomeo-cinereae], marginibus fuscis. Stipes 3.7 cm., tenuis, nitidus, ad basim subbulbosus et albidus, violaceo-subniger. Caro tenuis. Sporae angulatae, 9.5 X 7 μ . S.A.—Back Valley (Encounter Bay).

560. *Pholiota subtogularis*, n. sp.—Pileus 1.5 cm., convexus, interdum subumbonatus, striatus, subviscidus, ochraceo-luteus vel antimoneo-flavus. Lamellae adnatae, subconfertae, pallido-fulvae, deinde ferrugineo-cinnamoneae [ferrugineo-cinnamomeae]. Stipes 3 - 4 cm., tenuis, subflexuosus, fibrillosus, subcavus, pallido-brunneus. Annulus superior fulvus. Caro tenuis, sub-brunnea. Sporae ellipticae, fulvae, 8 - 8.5 X 5.5 μ . In terra. S.A.—Mount Burr (S.E.).

561. *Ph. serrulata*, n. sp.—Pileus 1.8 - 4.3 cm., conico-convexus vel convexus, interdum umbilicatus, interdum umbonatus, hygrophanus, ad marginem striatus, "Verona brown," "Argus brown," fulvus vel ochraceo-fulvus, exsiccatus carneo-luteus vel ochraceo-luteus. Lamellae adnatae vel subdecurrentes, subconfertae, angustae, marginibus serratis, ochraceo-fulvae, "Argus brown" vel "Kaiser brown." Stipes 1.8 - 3.7 cm., tenuis (ad 3.5 mm.), subaequalis, solidus, albido-fibrillosus, subter fibrillis similiter lamellis coloratis, ad basim albidus. Annulus albidus, praetenuis, subdistans. Sporae ellipticae, flavo-brunneae, 6.5 – 9 X 4 – 6 μ . In terra. S.A.—National Park, Mount Lofty, Mylor.

562. *Ph. graminum*, n. sp.—Pileus 1.2 – 1.8 cm., convexus vel subhemisphaericus vel subplanus, non-striatus, interdum subumbonatus, hygrophanus, rufo-brunneus

deinde pallidus. Lamellae adnatae vel dentibus decurrentibus, confertae, ferrugineae, primo pallidiores. Stipes 3.7 – 4.3 cm., striatus, sub-bulbosus, cavus, pallido-brunneus, ad basim mycelio albedo. Annulus subsuperior, membranaceus. Inter gramina. Sporae obliquae, 6.5 - 8 X 4 – 5 μ . S.A.—Kinchina, Adelaide.

563. *Ph. imperfecta*, n. sp.—Pileus 1.2 - 1.8 cm., convexus deinde subplanus, usitate subumbonatus, interdum ad marginem striatus, hygrophanus, ceraceo-flavo-brunneus, exsiccatus "Sayal brown." Lamellae adnatae, subconfertae, rufo-brunneus vel ferrugineo-cinnamoneus [ferrugineo-cinnamomeus]. Stipes 2.5 cm., tenuis, solidus vel cavus, fibrillosus, pallidus vel rufo-brunneus. Annulus superior vel subdistans, imperfectus, albidus. Sporae obliquae, subangustae, 7.5 – 9.5 X 4.5 - 5 μ . In terra. S.A.—Second Valley Forest Reserve, Beaumont Common, McLaren Vale.

564. *Ph. squarrosipes*, n. sp.—Plantae in terra apud truncos Eucalyptos percaespitosae vel interdum solitariae. Pilei 1.8 - 7.5 cm., perconvexi, saepe irregulares, interdum umbonati, subviscidi, subglabri vel interdum fibrillosi, ochraceo-fulvi, fulvi, antimoneo-flavi, vel "Empire yellow." Lamellae adnatae vel dentibus decurrentibus, subconfertae, subangustae, fuscae, flavo-ochraceae, "buckthorn brown" vel isabellinae. Stipites 3.7 - 8 cm., tenues vel subcrassi, deorsum, sub-attenuati, perfibrilloso-squamosi, solidi, "deep colonial buff" vel antimoneo-flavi. Sporae ellipticae, obliquae, fusco-brunneae, 6.5 - 8 X 4 – 4.5 μ . S.A.—Encounter Bay, Upper Tunkalilla Creek.

565. *Cortinarins (Phlegmacium?) lilacino-fulvus*, n. sp.—Pileus 6.2 - 8.7 cm., irregulariter convexus, in medio interdum concavus, denique subrepandus, viscidus, subfibrillosus, argillaceo-coloratus, in locis pallidior vel brunneus, interdum flavo-ochraceus. Lamellae adnatae vel sinuatae, subconfertae, subventricosae, pallido-brunneae deinde fulvo-olivaceae. Stipes 5 - 6.2 cm., tenuis vel crassus (ad 1.8 cm. latus), aequalis vel attenuatus infra vel supra, fibrillosus, interdum subcavus, subbulbosus, ochraceo-fulvus vestigiis lilacinis. Caro sub-brunneus vestigiis lilacinis. Sporae obliquae, 9 - 11 X 5.5 - 7.5 μ . S.A.—Stirling West, Mount Lofty.

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566. *C. (Ph.) vinaceo-lamellatus*, n. sp.—Pileus 5 cm., subconico-convexus deinde convexus, usitate umbonatus, denique irregulariter convexus, subviscidus, subfibrillosus, cinnamoneo-luteus [cinnamomeo-luteus] vel "Sayal Brown." Lamellae sinuatae dentibus subdecurrentibus, subconfertae, 5 mm. latae, vinaceo-cinereae. Stipes 7.5 cm., crassus (1 – 1.5 cm.), bulbosus (2.5 - 3.5 cm.), supra attenuatus, non-viscidus, sericeo-fibrillosus, solidus, brunneo-pallidus. Velum albidum. Caro subviolacea. Sporae obliquae, 9 - 11 X 4.5 – 5 μ . S.A.—Mount Lofty.

567. *C. (Ph.) ochraceo-fulvus*, n. sp.—Pileus 4.3 – 6.2 cm., subconvexus, irregularis, subumbonatus, subtiliter fibrillosus, fulvo-olivaceus vel ochraceo-fulvus. Lamellae subsinuatae, subconfertae, subventricosae, fulvo-olivaceae. Stipes 6.2 X 0.6 - 1 cm., subaequalis, ad basim sub-bulbosus, fibrillosus, infarctus, sub-brunneus. Caro pallido-brunnea. Sporae obliquae, fulvo-brunneae, 9 - 11 X 5 – 6.5 μ . S.A.—Stirling West.

568. *C. (Ph.) fragilipes*, n. sp.—Pileus 2.5 - 8.7 cm., convexus, deinde subconvexus vel irregulariter planus vel repandus, usitate subumbonatus, radiato-fibrillosus, subviscidus, ochraceo-fulvus, fulvus, rufus vel aureo-fulvus. Lamellae adnatae

dentibus subdecurrentibus, subconfertae, ad 1 cm. latae, carneo-lutaceae deinde fulvo-olivaceae. Stipes 7.5 – 10 cm., subtenuis, saepe flexuosus, aequalis, fragilis, sericeo-fibrillosus, subcavus, concolorus. Sporae obliquae, flavo-brunneae, 9.3 – 13 – 15.5 X 6 – 7 μ . Plantae subcaespitosae. S.A.—National Park, Mount Lofty, Kuitpo, Second Valley.

569. *C. (Ph.) radicans*, n. sp.—Pileus 8.7 cm., irregulariter convexus, usitate subgibbosus, deinde irregulariter expansus, viscidus, ad marginem subfibrilloso-striatus, pallidus vestigiis flavo-cinnamoneis [flavo-cinnamomeis], in senectute flavo-cinnamoneus [flavo-cinnamomeis] vel deusto-brunneus. Lamellae adnatae vel adnato-subdecurrentes, ad 6 mm. latae, subconfertae, non ventricosae, albiae deinde cinnamoneae [cinnamomeae]. Stipes supra terram 1.2 – 3.7 cm., bulbosus, radice conica longa (5 cm.), crassus (1.2 – 2.3 cm.), solidus, albidus, in senectute vestigiis sublilacinis. Caro alba, vestigiis sublilacinis. Velum albidum. Sporae obliquo-ellipticae, 9 - 13 X 5.5 – 7 μ . S.A.—Willunga Hill, Waitpinga, Mount Compass, Mount Lofty, Kinchina.

570. *C. (Myxamicium [Myxacium]) sinapicolor*, n. sp.—Pileus 5 - 7.5 cm., subconvexus, subumbonatus, glutinosus, ad marginem sinapicolor, in medio succino-brunneus. Lamellae sinuato-adnexae, subconfertae, 7 mm. latae, "Buckthorn Brown." Stipes 6.2 cm., subcrassus (1 cm.), supra fibrillosus, sub-bulbosus, subflavus. Vellum [velum] pallido-flavum. Sporae obliquo-ellipticae, subasperae, 7.5 X 4 μ . S.A.—National Park.

571. *C. (M.) microarcheri*, n. sp.—Pileus 1.8 - 6.2 cm., convexus vel subplanus, substriatus, glutinosus, perviolaceus vel violaceo-brunneus, exsiccatus-tabacino-brunneus vel succino-brunneus. Lamellae subsinuatae vel adnexae, subconfertae, pallido-violaceae vel violaceo-brunneae, deinde tabacino-brunneae. Stipes 3.1 - 5 cm., subtenuis, ad basim subcrassus, fibrillosus, subcavus vel solidus, pallidus vel pallido-violaceus. Caro subviolacea vel albida. Sporae obliquae, subglobosae, glabrae, 5.5 - 8.4 X 4 – 5.5 μ . S.A.—Mount Lofty, Eagle-on-the-Hill.

572. *C. (M.) albidus*, n. sp.—Pileus 3.7 - 6.2 cm., convexus, deinde planus, subumbonatus, glutinosus, glaber, deinde subfibrillosus, albidus, deinde pallido-luteus. Lamellae sinuato-adnexae, ventricosae, 9 mm. latae, subconfertae, pallido-ochraceo-luteae vel ochraceo-luteae. Stipes 6.2 cm., subcrassus (1.2 cm.), aequalis vel sub-bulbosus, fibrillosus, albidus vestigiis subviolaceis. Caro tenuis, albida vestigiis subviolaceis. Velum sub-brunneum. Odor "of curry powder." Sporae obliquae, flavo-brunneae, 9.5 – 13 X 6 μ . S.A.—National Park.

573. *C. (Inoloma) areolato-imbricatus*, n. sp.—Pileus 7.5 - 15 cm., perconvexus, subirregularis, siccus, squamis subfibrillosis subcarneo-luteis vel pallidis

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(in medio subareolatis, ad marginem imbricatis), ochraceo-luteus vel cinnamoneo-luteus [cinnamomeo-luteus]. Lamellae adnatae vel adnexae, interdum subsinuatae, subconfertae, ad 1 cm. latae, ochraceo-luteae vel cinnamoneo-luteae [cinnamomeo-luteae] et ochraceo-fulvae. Stipes 5.6 – 6.2 cm., crassus (1.8 - 3.1 cm.), subaequalis vel in medio inflatus, ad basim attenuatus, fibrillosus, approxime "Warm Buff." Caro firma, in medio 1 cm. lata, alba. Velum albidum. Sporae obliquae, flavo-brunneae, 9 X 4.5 μ . Plantae caespitosae. S.A.—Willunga Hill.

574. *Inocybe serrata*, n. sp.—Pileus 1.2 cm., convexus, fibrillosus, Verona-brunneus vel pallido-brunneus. Lamellae adnatae, marginibus serratis et interdum pallidioribus, tabacino-brunneae vel ligno-brunneae. Stipes 1.8 - 3 cm., tenuis, attenuatus, fibrillosus, approxime "Warm Buff." Caro firma, in medio 1 cm. lata, farinaceus, pallido-brunneus. Sporae glabrae, obliquae, pallido-flavo-brunneae, 7.5 - 9 X 4.5 - 5 μ . Cystidia fusiformes vel ampulliformes, 27 - 56 X 11 - 13 μ . Plantae gregariosae vel subcaespitosae, basibus villosis. S.A.—Mount Lofty, Upper Tunkalilla Creek.

575. *I. fulvo-olivaceae*, n. sp.[*fulvo-olivacea*?]—Pileus 1.2 cm., perconvexus (magis minusve), subfibrillosus, fulvo-olivaceus. Lamellae adnatae, ascendentes, subconfertae, pallidiores quam "Saccardo's Umber." Stipes 2.5 cm., tenuis, granulatus, sub-cavus, pallido-brunneus, saepe supra subroseus. Sporae subtriangulares, perobliquae, 6.5 - 7 X 4 μ . Cystidia subventricosa, 45 X 15 μ , 65 X 17 μ . S.A.—Belair .

576. *I. granulipes*, n. sp.—Pileus 1.2 - 1.8 cm., convexus, umbonatus, fibrillosus, tabacino-brunneus ad "Bister." Lamellae adnatae, subconfertae, sub-ventricosae, tabacino-brunneae. Stipes 1.8 - 2.5 cm., subtenuis, e farcto subcavus, aequalis, sub-bulbosus, "Bister" granulis albidis farinaceis vel fibrillosis. Caro pertenuis. Sporae obliquae, 8.5 X 5 μ . Cystidia inflata ad angusto-fusiformia, 45 X 19 μ , 50 X 9 μ . Plantae gregariosae. S.A.—Stirling West, Mount Lofty.

577. *I. Murrayana*, n. sp.—Pileus ad 1.6 cm., conicus, deinde expansus, umbonatus magis minusve, subtili-fibrillosus vel fibrilloso-squamosus, sericeo-nitidus, cinnamoneo-brunneus vel "Buckthorn Brown" vel "Dresden Brown" vel rufus. Lamellae adnatae vel adnexae, subconfertae, marginibus subserratis, tabacino-brunneus vel avellaneus. Stipes 2.5 cm., aequalis, subtili-striatus vel fibrillosus vel farinaceus, solidus, tabacino-brunneus vel brunneo-pallidus. Sporae obliquae, pallido-brunneae, 9 - 11 - 13 X 5.2 - 5.5, μ . Cystidia acuminata basi inflata vel ventricosa, 85 X 11 μ . S.A.—Kinchina.

578. *Astrosporina emergens*, n. sp.—Pileus ad 3 cm., ad 1.5 cm. procerus, irregulariter lato-conicus, subfibrillosus vel subglaber, pallido-luteus. Lamellae adnatae vel adnexae, confertae, pallido-brunneae. Stipes ad 2.5 cm., subcrassus, ad basim sub-bulbosus, albus, deinde sub-brunneo-albidus. Sporae angulatae, pallido-brunneae, 7.5 X 4 μ . Cystidia ampullaformia [ampullaeformia, ampulliformia] apicibus asperis, 25 - 37 X 13 μ . S.A.—Kinchina.

579. *A. exigua*, n. sp.—Pileus ad 1.2 cm., convexus vel campanulatus, subfibrillosus, cinnamoneo-brunneus. Lamellae adnatae, subconfertae, subcinnamoneae [subcinnamomeae]. Stipes 1.2 cm., subfibrillosus, albidus. Sporae nodosae, 8 - 8.5 μ . Cystidia pauca ampullaformia [ampullaeformia, ampulliformia] apicibus glabris. S.A.—Hope Valley.

580. *A. discissa*, n. sp.—Pileus 2.5 cm., convexus, umbonatus, perfibrillosus, discissus, brunneus. Lamellae liberae, ventricosae, brunneae. Stipes 2.5 cm., subtenuis, primitus subpruinatus deinde glaber, aequalis, ad bassim sub-bulbosus, albidus vel pallido-brunneus. Sporae nodosae, brunneae, 9 X 6 μ . S.A.—Upper Tunkalilla Creek.

581. *A. imbricata*, n. sp.—Pileus ad 16 mm., convexus vel subconico-campanulatus, fibrillis adpressis umbricatis [imbricatis], fusco-brunneus. Lamellae adnatae, deinde secedentes, subconfertae, subventricosae, fusco-brunneae. Stipes 16 mm.,

subtenuis, aequalis, infarctus, fibrillosus, pallido-brunneus. Caro pilei pallida, stipis sub-brunnea. Sporae angulatae, 9 - 11 X 5.5 μ . S.A.—Kinchina.

582. *Flammula punctata*, n. sp.—Pileus 2 cm., convexus, interdum subumbonatus, dum humido viscidus, rubro-fulvo-brunneus. Lamellae adnatae vel emarginato-adnatae, subconfertae, pallido-cinnamoneae [pallido-cinnamomeae]. Stipes 1.8 - 2.5 cm., tenuis, solidus, pallidus squamoso-fibrillis fuscis, carne subcartilaginea. Sporae obliquo-ellipticae, pallido-flavo-brunneae, 7.5 X 4 μ . S.A.—Back Valley, off Inman Valley.

583. *F. cincta*, n. sp.—Pileus 1.2 - 3.1 cm., convexus, deinde planus, denique repandus, dum humidus viscidus et ceraceo-brunneus, hygrophanus, exsiccatus carneo-lutaceus, primitus ex velo albo-farinaceus. Lamellae adnatae vel adnato-decurrentes; subconfertae, subangustae, primitus minute serratae, pallido-cinnamoneae deinde brunneo-cinnamoneae [pallido-cinnamomeae deinde brunneo-cinnamomeae]. Stipes 2.5 - 3.1 cm., subtenuis, aequalis vel infra attenuatus, sub-bulbosus, subfarinaceo-fibrillosus, subcavus, albidus deinde sub-brunneo-albidus. Primitus velo universali albido farinaceo. Sporae ellipticae, pallido-brunneae, 8 - 8.5 X 4.5 μ . In ligno carioso cum mycelio albido agglutinante. S.A.—Back Valley, off Inman Valley.

584. *F. brevipes*, n. sp.—Pileus, 5 - 6.7 cm., irregulariter convexus, repandus, ochraceo-fulvus vel fulvus. Lamellae adnatae, subconfertae, ventricosae, 10 mm. latae, ochraceo-fulvae vel fulvae. Stipes perbrevis, 18 mm., striatus, brunneo-fibrillosus, pallido-flavus. Sporae obliquae, flavo-brunneae, 9 X 5.5 μ , rariter 11.5 X 7.5 μ . In terra. S.A.—Kalangadoo.

585. *Naucoria arenacolens*, n. sp. [*arenicolens*].—Pileus 2.5-4.4 cm., convexus, deinde expansus, subirregularis, innato-fibrillosus, "Sayal Brown." Lamellae sinuatae, subconfertae, perventricosae, 3 - 5 mm. latae, marginibus pallidioribus et minute serratis, tabacino-brunneae. Stipes 2.5 - 3.7 cm., subcrassus (8 - 10 mm.), aequalis, fibrillosus, solidus, subcarneo-alutaceo-pallidus. Sporae pallido-brunneae, elongatae, 9.5 - 13 X 4 μ . S.A.—Encounter Bay.

586. *Psalliota vinacea*, n. sp.—Pileus ad 10 cm., e conico-hemisphaerico [conico-hemisphaerico] convexus, deinde expandens, fibrillis vel fibrilloso-squamis adpressis, cinnamoneo-cinereus [cinnamomeo-cinereus] vel vinaceo-brunneus. Lamellae liberae, subconfertae, primitus pallidae, deinde pallido-vinaceo-cervinae. Stipes 7.5 - 8.7 cm., crassus (1.2 cm.), fibrillis floccosis, interdum ad basim sub-bulbosus, solidus vel subcavus, albidus. Velum album. Annulus amplus, subdistans. Caro sub-brunnea. Sporae purpureo-brunnea, 5.5 X 3.5 μ . Sub Eucalyptus. S.A.—National Park.

587. *Panaeolus paludosus*, n. sp.—Pileus 4.3 cm., conico-hemisphaericus [conico-hemisphaericus], deinde convexus, glaber, subrivulosus, fuscus, medio exsiccato pallidiore ad peripherem zonatus. Lamellae adnexae, subconfertae, ventricosae, nubilo-cinereae. Stipes ad 10 cm., tenuis, subflexuosus, subpruinosis, subfibrillosus, subcavus. infra fuscus, supra pallidior. Sporae limoniformes, subnigrae, 10 - 11 X 7.5 μ . In terra paludosa. S.A.—Mount Compass.

588. *Russula persanguinea*, n. sp.—Pileus 3 - 10 cm., subconvexus medio concavo, denique interdum subrepandus, usitate ad peripherem substriatus vel tuberculo-rugosus, viscidus, sanguineus. Lamellae adnexae, ad stipem attenuatae, aequales, raro furcatae, subangustae (6 mm.), confertae, albae. Stipes 3.7 - 5 cm., crassus, glaber vel substriatus

vel subrugosus, solidus vel cavus, albus. Caro tenuis, fragilis. Sapor mitis vel subpiperatus. Sporae verrucosae, albae, 7.5 - 11 μ , 9 X 7.5 μ . Cystidia in pileo acuminata basibus latis, 19 - 38 X 7.5 μ . S.A.—Mount Lofty, Morialta.

589. *R. viridis*, n. sp.—Pileus 5 - 6.2 cm., convexus medio subdepresso, non-striatus, pelle separabili, subviscidus, viridis. Lamellae aequales, ad stipem attenuatae, subconfertae, angustae, interdum proxime stipem furcatae, cremaceo-

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albae. Stipes 3.7 - 4.4 X 1.6 cm., subrugosus, infra inflatus, supra attenuatus vel aequalis, solidus albus. Caro fragilis, alba. Sapor mitis. Sporae spherico-pyriformes [sphaerico-pyriformes], subtiliter verrucosae, albae vel subcremaceo-albae. 7.5 - 9 X 5.5 - 6.5 μ . Cystidia in pileo nulla. S.A.—Mount Lofty.

590. *Coprinus arenacolens*, n. sp. [*arenicolens*]—Pileus 4.4 cm., subhemisphaericus [subhemisphaericus], deinde convexus, striatus, pallido-brunneus. Lamellae adscendentes, subadnexae, latae, cinerae. Stipes 3.7 - 15 cm., crassus, sursum attenuatus, substriatus, fibrosus, solidus, annulo aspero elevato distante, albidus deinde substramineo-albidus. Sporae ellipticae, nigrae, 13 - 17 X 7.5 μ . In arena pura. S.A.—Davenport Creek (E.P.).

591. *C. virgulacolens*, n. sp. [*virgulicolens*]—Pileus 1.2 - 2.5 cm., 16 mm. altus, cylindrico-conicus ad lato-conicus, deinde se expandens, membranaceus, disco glabro subconvexo fusco, striato-plicatus, pallido-furfuraceo-granulosus, cinereo-brunneus. Lamellae subadnexae vel adnatae, primum adscendentes, confertae, angustae, albae, deinde purpureo-brunneae. Stipes 3.7 - 6.2 cm., granulatus et striatus, deinde glaber, concavus, sub-bulbosus, albus. Caro pertenuis, brunnea. Sporae obliquae, fuscae, 7.5 - 9 μ , interdum 11 X 4 - 5 μ . Plantae in terra virgulis [*in terra virgulis = in virgulto*] applicatae. S.A.—Mount Lofty.

592. *Dictyolus australis*, n. sp.—Planta alutaceo-brunnea. Pileus spathulatus vel flabelliformis, 6 mm. latus et longus, glaber, interdum subsulcatus. Lamellae decurrentes, subdistantes, furcatae, marginibus crassis. Stipes 6 mm., lateralis, deorsum subattenuatus, glaber. In terra muscosa. S.A.—Kinchina.

593. *Paxillus psammophilus*, n. sp.—Pileus 8 - 7 cm., flabelliforme-dimidiatus, subfibrillosus, deinde rimosus, brunneus. Lamellae decurrentes, confertae, ad stipem reticulatae, sub-brunneae. Stipes brevis (2.5 cm.), sublateralis, tenuis, radice longa angusta. Sporae elongatae, albae, 13 - 13.5 X 4 μ . In arena. S.A.—Elliston.