

***Podospora curvicolla* (G. Winter) Niessl – AEB 519 (= PDD 73691)**

**Species Fungorum current name:** *Pseudoechria curvicolla* (G. Winter) Y. Marín, A.N. Mill. & Stchigel

**Collection site:** Waikawa beach, west of Manakau, N. Island, New Zealand

**Collection date:** 14 January 1995

**Substrate:** European rabbit (*Oryctolagus cuniculus*) dung – dung collection # NZ253

**Collectors:** A.E. Bell, D.P. Mahoney and H. Keena

**Identifier:** Dan Mahoney

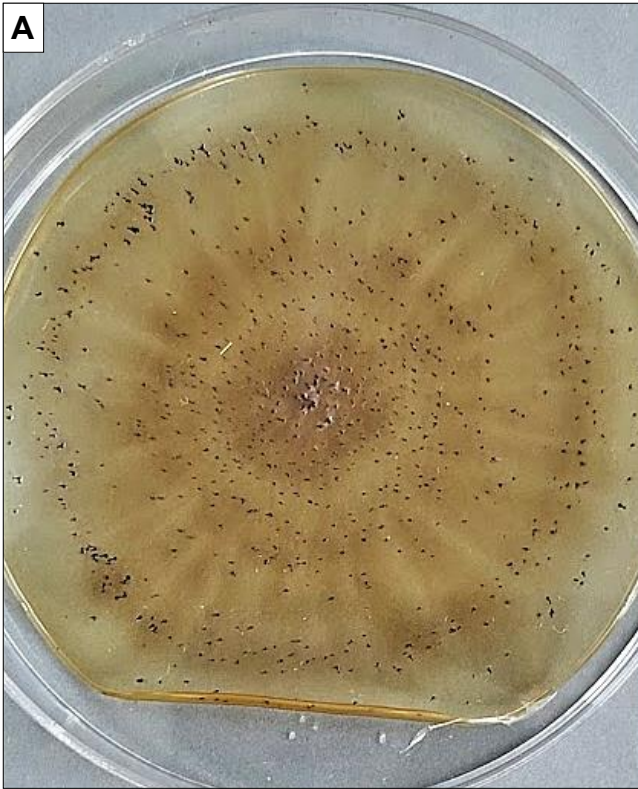
**Voucher material:** Two axenic Petri dish cultures dried as herbarium specimens.

Petri dish specimen 1: Difco CMA inoculated with a single germinating ascospore.

Petri dish specimen 2: Difco CMA to which 4 sterilized rabbit pellets were added and then inoculated with a single germinating ascospore.

Dried Petri dish cultures are accompanied by four original 1995 microscope slides re-irrigated with Shear's mounting fluid (SMF) in December 2021.

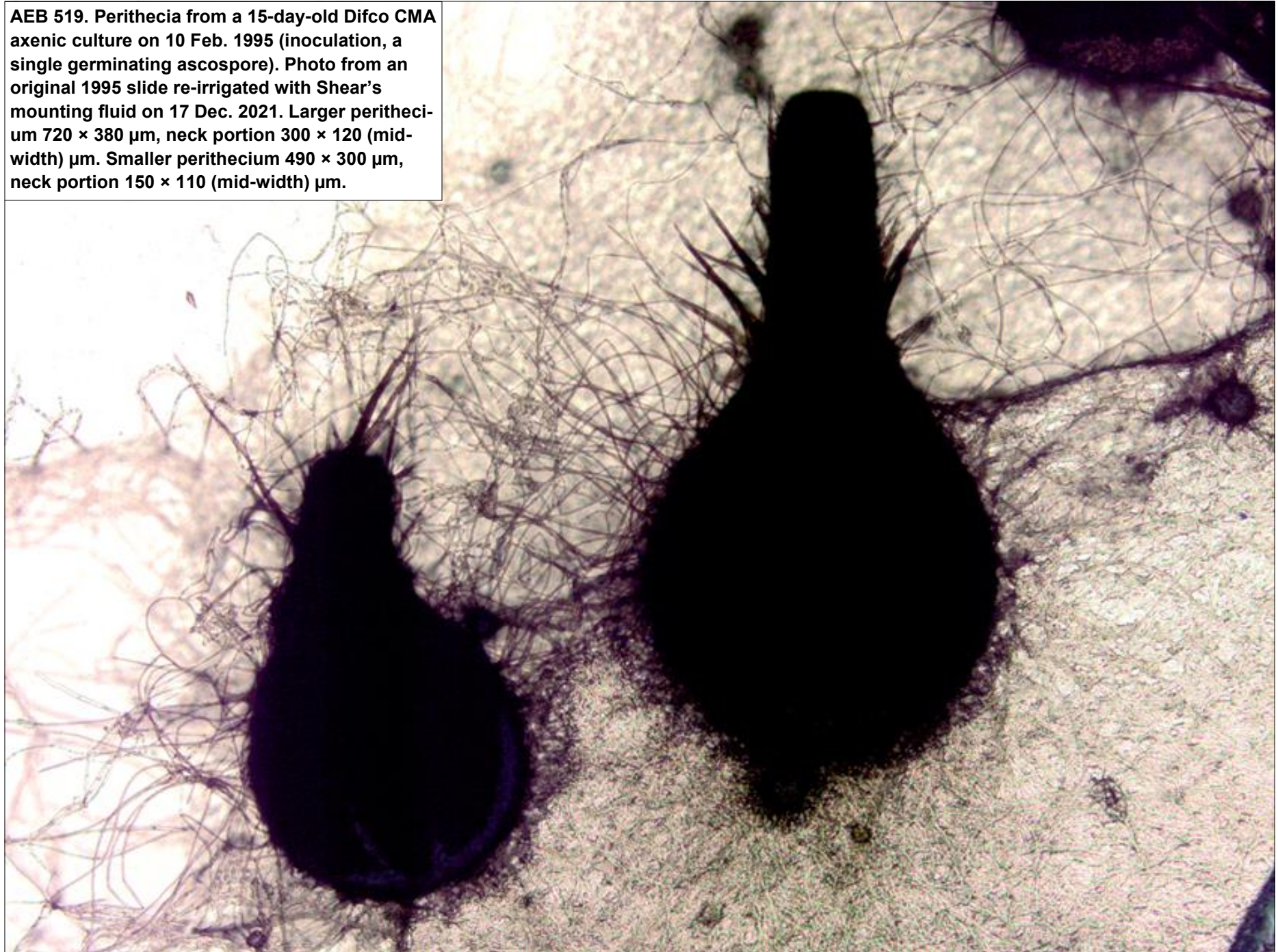
The publisher & pdf files include: 1) photos of the dried axenic Petri dish cultures, 2) digitized photos of microscopic detail from the original 1995 microscope slides that were re-irrigated with SMF in December 2021 and 3) Ektachrome photos (taken 3 April 1995) of perithecia on a 52-day-old CMA axenic culture .

**A****B****C**

**AEB 519 axenic Petri dish cultures dried as herbarium specimens. A. Petri dish specimen 1: Difco CMA inoculated with a single germinating ascospore. B,C. Petri dish specimen 2: Difco CMA to which 4 sterilized rabbit pellets were added and then inoculated with a single germinating ascospore. 'C' is a closeup of one pellet in photo 'B'. Note the numerous long-necked ascomata in all the photos.**

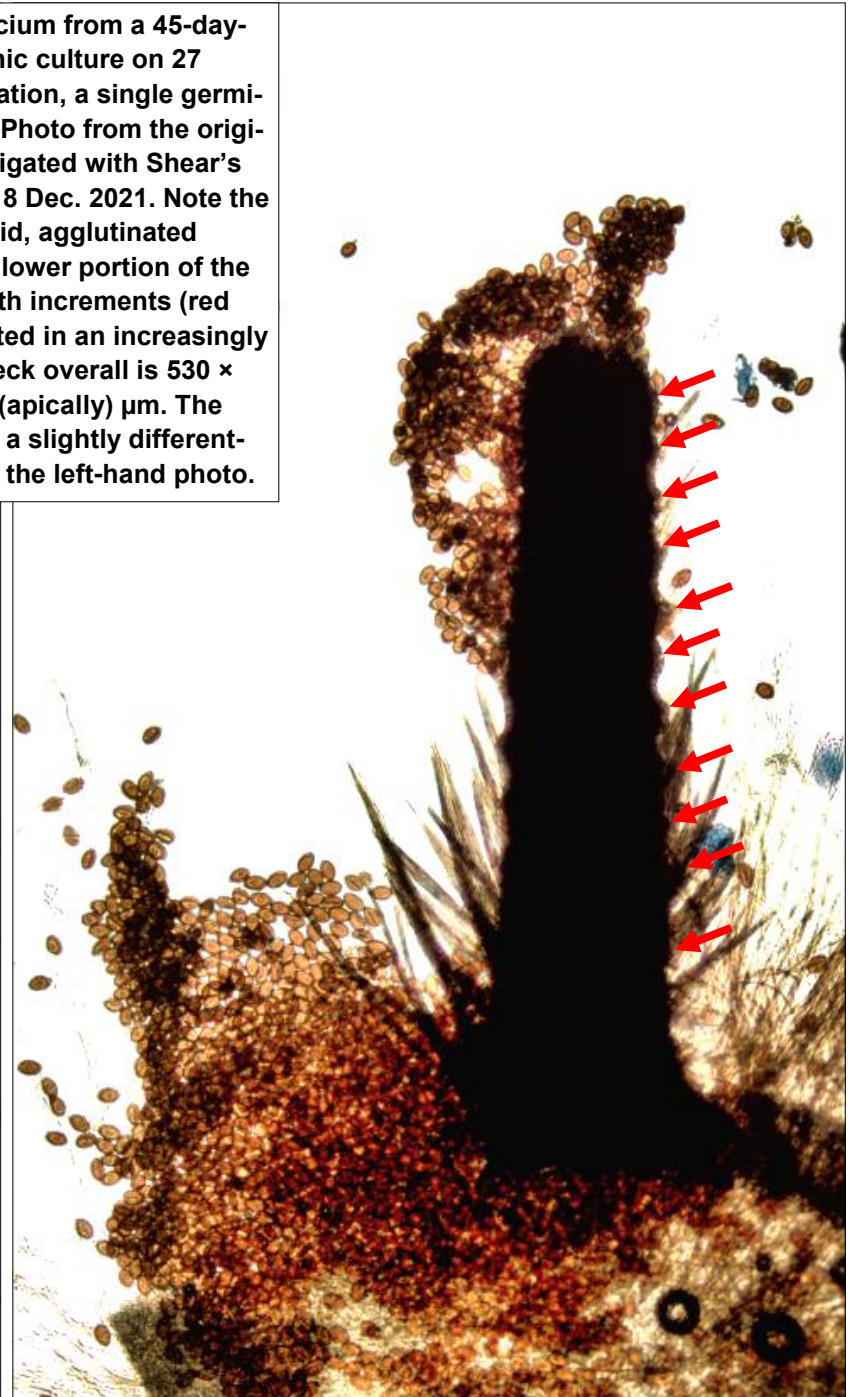


**AEB 519. Perithecia from a 15-day-old Difco CMA axenic culture on 10 Feb. 1995 (inoculation, a single germinating ascospore). Photo from an original 1995 slide re-irrigated with Shear's mounting fluid on 17 Dec. 2021. Larger perithecium  $720 \times 380 \mu\text{m}$ , neck portion  $300 \times 120$  (mid-width)  $\mu\text{m}$ . Smaller perithecium  $490 \times 300 \mu\text{m}$ , neck portion  $150 \times 110$  (mid-width)  $\mu\text{m}$ .**

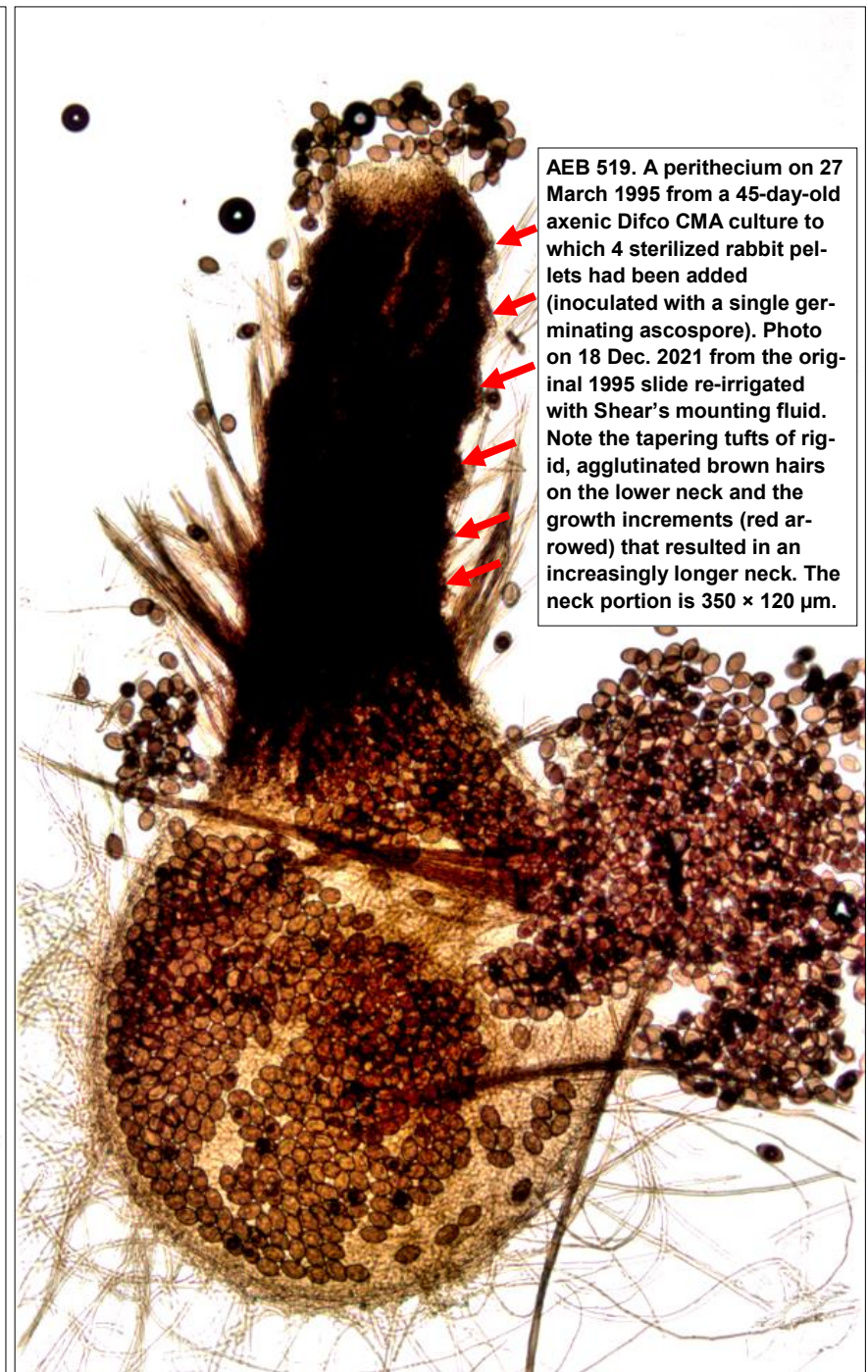
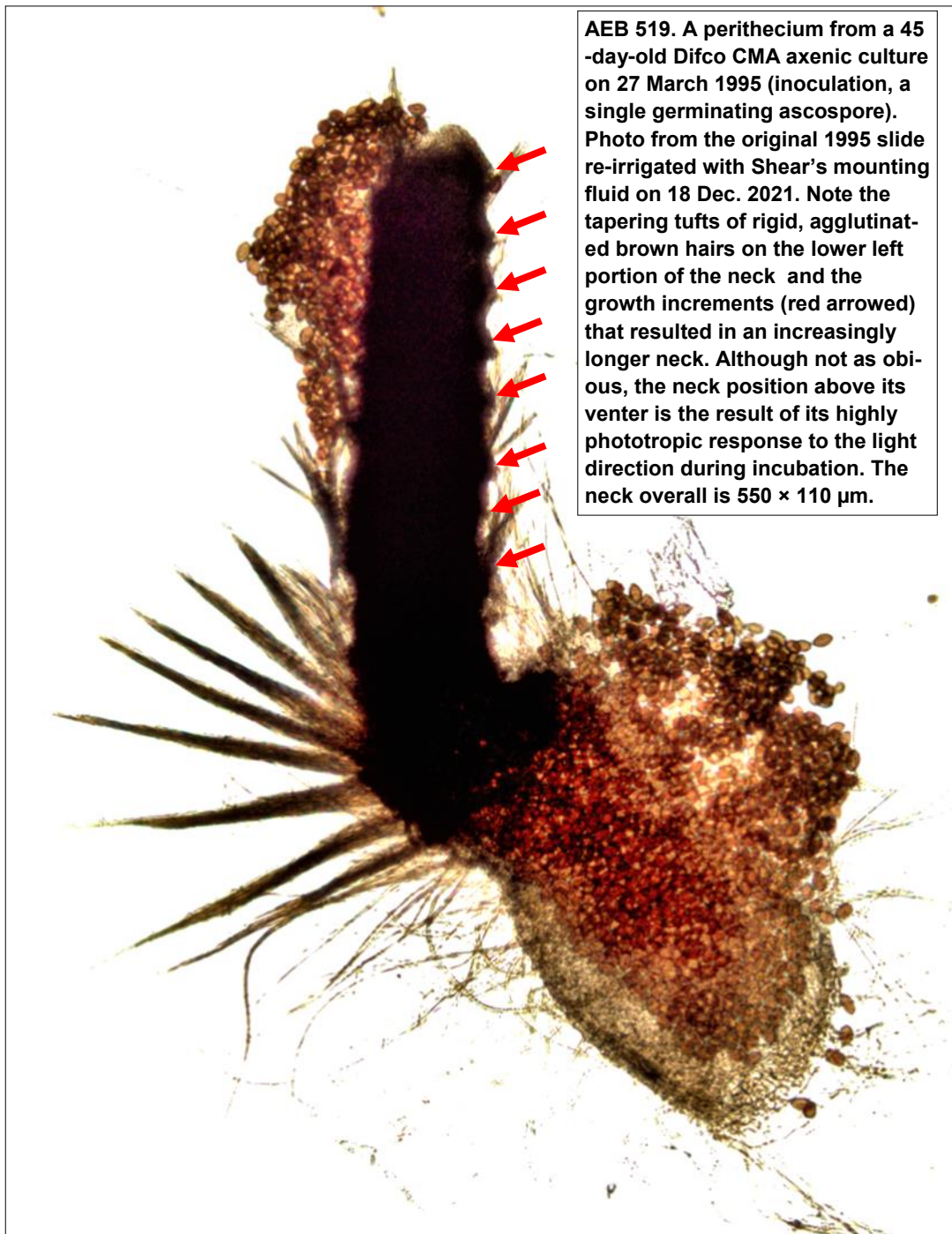




AEB 519. A perithecium from a 45-day-old Difco CMA axenic culture on 27 March 1995 (inoculation, a single germinating ascospore). Photo from the original 1995 slide re-irrigated with Shear's mounting fluid on 18 Dec. 2021. Note the tapering tufts of rigid, agglutinated brown hairs on the lower portion of the neck and the growth increments (red arrowed) that resulted in an increasingly longer neck. The neck overall is  $530 \times 120$  (basally)  $\times 100$  (apically)  $\mu\text{m}$ . The right-hand photo is a slightly different-focused closeup of the left-hand photo.











**AEB 519. Perithecia on 52-day-old axenic cultures (3 April 1995). Left photo from the Difco CMA surface that surrounded sterilized rabbit pellets in the Petri dish. Right photo from an axenic CMA culture without rabbit pellets. Tapering tufts of rigid, agglutinated brown hairs are larger and more obvious near the lower portion of the necks on both perithecia. Venter portions are below the agar surface. These Ektachrome 100 in-situ dissecting scope photos better illustrate the 3-D aspect of the circular growth rings on the neck than the same rings seen in slide mounts. The left photo neck reveals its highly phototropic response to the light direction during incubation.**





**AEB 519. Perithecia on a 52-day-old CMA axenic culture (3 April 1995). See the previous page for comments on the venters, the growth rings and the tapering tufts of agglutinated hairs. Left photo: Note ascospores on the neck & the phototropic neck response.**



AEB 519. Perithecium from the original rabbit dung incubation on 24 Jan. 1995. Photo from the 1995 slide re-irrigated with Shear's mounting fluid on 17 Dec. 2021. Perithecium ~700 × 490 µm, neck portion 300 × 120 (mid-width) µm. Note the multi-spored asci extruded through a break in the ascoma venter.

Closeup of the perithecium in the left-hand photo. Note the tapering tufts of rigid, agglutinated brown hairs on the right side of the neck.

