

638. Hantzschia amphioxys: Sea Mills 2 population
x 2,250
Valve; a Voigt discontinuity may be seen in the
'upper' half of the valve.
639. Hantzschia amphioxys: Sea Mills 2 population
x 14,000
External central raphe endings and proximal
mantle.
640. Hantzschia amphioxys: Sea Mills 2 population
x 6,450
Frustule - pole; 7 bands visible, the 7th open.
641. Hantzschia amphioxys: Sea Mills 2 population
x 6,800
Other pole of frustule illustrated in F.640;
6 bands visible, none open. Note the polar raphe
endings of the two valves.
642. Hantzschia amphioxys: Sea Mills 2 population
x 27,200
Internal central raphe endings.
643. Hantzschia amphioxys: Sea Mills 2 population
x 6,800
Frustule, distal side - part; note difference
between valves in the degree of development of
the marginal ridges (arrows).

644. Hantzschia amphioxys: Sea Mills 2 population
x 2,700
Frustule; note presence of a short marginal
ridge.
645. Hantzschia amphioxys: Sea Mills 2 population
x 3,250
1st band - part; note wavy margin (arrow) of pars
exterior (right), projections on pars interior
(left).
646. Hantzschia amphioxys: Sea Mills 2 population
x 6,700
Valve - centre; note poroids in subaphe canal
wall (arrows).
647. Hantzschia amphioxys: Sea Mills 2 population
x 7,000
Valve - centre; note well-developed marginal
ridge (arrow).
648. Hantzschia amphioxys: Sea Mills 2 population
x 13,900
1st band - pole.
649. Hantzschia amphioxys: Sea Mills 2 population
x 13,900
Other pole of band illustrated in F.648; note
narrowing of pars interior near the pole.

650. Hantzschia amphioxys: Sea Mills 2 population
x 7,250
Valve pole - inside; note helictoglossa, fibula
morphology.
651. Hantzschia amphioxys: Sea Mills 2 population
x 7,200
Valve pole - outside.
652. Hantzschia amphioxys: Sea Mills 2 population
x 8,300
Valve + 1st band - pole; note junction of valve
with band, narrowing of pars exterior near pole.
653. Hantzschia amphioxys: Sea Mills 1 population
x 7,100
Valve pole - outside; note obviousness of hymena,
presence of poroids in the subraphe canal wall
(arrow).
654. Hantzschia amphioxys: Sea Mills 1 population
x 2,720
Valve.
655. Hantzschia amphioxys: Sea Mills 1 population
x 7,200
Valve - centre; note that the external raphe
endings are almost undeflected.

656. Hantzschia amphioxys: Cotham 1 population
x 2,760
Inverse form: valve.
657. Hantzschia amphioxys: Cotham 1 population
x 2,470
Normal form: valve.
658. Hantzschia amphioxys: Cotham 1 population
x 13,800
Inverse form: valve - centre; note form of
external central raphe endings, presence of
poroids in subraphe canal wall (arrow).
659. Hantzschia amphioxys: Cotham 1 population
x 13,900
Frustule - pole; first 5 bands visible, open ends
of bands 3 and 5.
660. Hantzschia amphioxys: Cotham 1 population
x 12,700
Other pole of frustule illustrated in F.659;
6 bands visible, open ends of bands 2,4 and 6.
661. Hantzschia amphioxys: Sea Mills 1 population
x 6,800
Valve, outside - centre.

662. Hantzschia amphioxys: Cotham 1 population
x 12,400
Valve pole - inside; note helictoglossa.
663. Hantzschia amphioxys: Cotham 1 population
x 12,900
Valve pole - outside; note isolated pores near
the terminal fissure.
664. Hantzschia amphioxys: Cotham 1 population
x 6,800
Centre of valve, inside; note larger central
interspace, relationship of fibulae to costae.
665. Hantzschia amphioxys: Cotham 1 population
x 6,900
Frustule, centre - outside; note central raphe
endings.
666. Hantzschia amphioxys: Cotham 1 population
x 2,580
Strongly bent form: valve.
667. Hantzschia amphioxys: Cotham 1 population
x 12,800
Strongly bent form: centre, inside.
668. Hantzschia amphioxys: Cotham 1 population
x 6,700
Strongly bent form: centre, outside.

669. Hantzschia amphioxys: Cotham 3 population
x 2,300
Valve.
670. Hantzschia amphioxys: Cotham 3 population
x 13,000
Valve, inside - part; note Voigt discontinuity,
fibula morphology.
671. Hantzschia amphioxys: Cotham 3 population
x 26,300
Fracture section of valve; note positions of
hymena (arrows).
672. Hantzschia amphioxys: Cotham 3 population
x 13,000
Valve pole - outside; note virtual absence of
poroids from wall of subraphe canal.
673. Hantzschia amphioxys: Cotham 3 population
x 13,000
Valve, outside - centre; note deflection of
central raphe endings.
674. Hantzschia amphioxys: Cotham 3 population
x 12,900
Valve pole - inside; note helictoglossa.

675. Hantzschia amphioxys: Signy population x 2,390
Valve; note Voigt discontinuity in 'lower' half
of valve.
676. Hantzschia amphioxys: Signy population x 13,400
Fracture section; note absence of poroids from
walls of subraphe canal.
677. Hantzschia amphioxys: Signy population x 14,300
Fracture section; note change in size of frets
across valve.
678. Hantzschia amphioxys: Signy population x 13,600
Valve - part of proximal side; again, note absence
of poroids from walls of subraphe canal.
679. Hantzschia amphioxys: Signy population x 6,800
Valve - part of distal side; note absence of
marginal ridge.
680. Hantzschia amphioxys: Bigsweir population
x 2,530
Valve - part; note prominent marginal ridge.

681. Hantzschia amphioxys: Bigsweir population
x 6,300
Valve pole - outside.
682. Hantzschia amphioxys: Bigsweir population
x 6,200
Theca, distal side - part; note junction of 1st
band with valve.
683. Hantzschia amphioxys: Bigsweir population
x 7,000
Valve, inside - centre.
684. Hantzschia amphioxys: Bigsweir population
x 13,100
Detail of valve; note that the hymena are just
visible. Also note the marginal ridge.
685. Hantzschia amphioxys: Bigsweir population
x 6,500
Valve - part of distal side.
686. Hantzschia amphioxys: Bigsweir population
x 6,550
Valve - central part; note poroids in subraphe
canal wall.
687. Hantzschia amphioxys: Bigsweir population
x 12,400
External central raphe endings!

688. Hantzschia amphioxys: Bigsweir population
x 11,700
Valve + 1st band - part, inside; note how pars
interior of band extends below the valve costae
(margin of pars interior indicated by arrows).
689. Hantzschia amphioxys: Bigsweir population
x 6,050
Valve, outside - centre; note deflection of outer
raphe fissures.
690. Hantzschia amphioxys: Bigsweir population
x 6,050
Valve, outside - part; note lack of poroids in
proximal wall of subraphe canal.
691. Hantzschia amphioxys: Bigsweir population
x 6,700
Frustule - pole; 5 bands visible, all closed at
this end. 6th band apparently also present.
692. Hantzschia amphioxys: Bigsweir population
x 6,200
Other pole of frustule illustrated in F.691;
bands 1-5 again closed, 6th and (?) 7th bands
also present.
693. Hantzschia amphioxys: Bigsweir population
x 13,000
Frustule - pole; 6 bands visible in epicingulum,
open ends of bands 3 and 5.
694. Hantzschia amphioxys: Bigsweir population
x 12,900
Other pole of frustule illustrated in F.693;
5 bands visible, open ends of bands 2 and 4.

In F.691-4, note the external polar raphe endings.