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The thalamus of Elephantulus

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THE THALAMUS OF ELEPHANTULUS

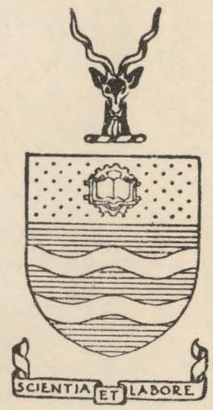
by

A. C. ALLISON

PLATES

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THE THALAMUS OF ELEPHANTULUS.

PART II - PLATES.

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ABBREVIATIONS USED IN ALL FIGURES.

A.CO. - Anterior commissure.
A.COL. - Anterior colliculus.
A.HYP.A. - Anterior hypothalamic area.
AMYG. - Amygdala.
ANSA.L. - Ansa lenticularis.
B.OLF. - Olfactory bulb.
BR.CONJ.- Brachium conjunctivum.
C.CALL. - corpus callosum.
CER.AQ. - Cerebral aqueduct.
CO.I.AD. - Interanterodorsal commissure.
CO.HAB. - Habenular commissure.
CO. HIPP. - Hippocampal commissure.
DEC.G. - Decussation of Ganser.
DEC.M. - Decussation of Meynert.
DEC.S.MAM. - Supramammillary decussation.
D.L.B. - Dorsal longitudinal bundle.
E.M.L. - External medullary lamina.
FIM. - Fimbria hippocampi.
F.LENT. - Fasciculus lenticularis.
FOR, MON. - Foramen of Monro.
FORN. - Fornix.
HAB. - Habenula.
HIP. - Hippocampus.
HYP. - Hypothalamus.
HYP.R.- Hypophysial recess of third ventricle.
HYP.ST. - Hypophysial stalk.
I.CAPS. - Internal capsule.
I.M.L. - Internal medullary lamina.
LEMN.M. - Medial lemniscus.
L. GEN. - Lateral geniculate body.
L. HYP.A. - Lateral hypothalamic area.
L. PR.R. - Lateral preoptic region.
MAM.B. - Mammillary body.
M.FOR.B. - Medial forebrain bundle.
M. GEN. - Medial geniculate body.
M. INT. - Massa intermedia.
M.L.B. - Medial longitudinal bundle.
M.PR.R. - Medial preoptic region.
N.A.D., - Anterodorsal nucleus.
N.A.M. - Anteromedial nucleus.
N.A.V. - Anteroventral nucleus.
N. CENT. - Central nucleus.
N. CENT. L. - Central lateral nucleus.
N.C.M. - Centrum medianum.
N.D.M. - Dorsomedial nucleus.
N. GEN.L.D. - Dorsal nucleus of the lateral geniculate body.

N.GEN.L.V. - Ventral nucleus of the lateral geniculate body.
N.GEN.M. - Medial geniculate nucleus.
N.HAB. L. - Lateral habenular nucleus.
N.HAB.M. - Medial habenular nucleus.
N.I.A.D. - Interanterodorsal nucleus.
N.I.A.M. - Interanteromedial nucleus.
N.I.M.D. - Intermediodorsal nucleus.
N.I.PAF. - Interparafascicular nucleus.
N.I.V. - Interventral nucleus.
N.L.-Lateral nucleus.
N.L.P. Lateral posterior nucleus.
N.L.O.T. - Large celled nucleus of the optic tract.
N.M.D. - Medial dorsal nucleus.
N. MAM.M. - Medial mammillary nucleus.
N. MAM.L. - Lateral mammillary nucleus.
N.ME.PR. - Median preoptic nucleus.
N.M.V. - Medial ventral nucleus.
N.O.P. - Optic nerve.
N. PAC. - Paracentral nucleus.
N. PAF. - Parafascicular nucleus.
N. PAT. - Parataenial nucleus.
N.PAV. - Paraventricular nucleus.
N.PAV.A. - Anterior Paraventricular nucleus.
N.PAV.P. - Posterior paraventricular nucleus.
N.P.CO. - Nucleus of the posterior commissure.
N.PRET. - Pretectal nucleus.
N. RET. - Reticular nucleus.
N. REUN. - Nucleus reuniens.
N. RH. - Rhomboid nucleus.
N.SCH. - Suprachiasmatic nucleus.
N.S.GEN.- Supragenicultate nucleus.
N. SOP. - Supraoptic nucleus.
N. S.PAF. - Subparafascicular nucleus.
N.STR.TERM. - Nucleus of the stria terminalis.
N.SVB. - Subthalamic nucleus.
N.SUBM. - Submedial nucleus.
N.V. - Ventral nucleus. N.TR.OP. - Nucleus of the optic tract.
O.CH. - Optic chiasma.
PED. CER. - Cerebral peduncle.
PED. MAM. - Mammillary peduncle.
PEV.S. - Periventricular system.
PIN. - Pineal body.
P.CO. - Posterior commissure.
P.COL. - Posterior colliculus.
PR.R. - Preoptic region.

S.G.C.- Substantia grisea centralis.
STR.MED. - Stria medullaris.
STR. TERM. - Stria terminalis.
SUBC.O. - Subcommissural organ.
T.CIN. - Tuber cinereum.
TH. RAD. - Thalamic radiations.
T.OLF. - Olfactory tubercle.
TR.AM.HAB., - Amygdalo-habenular tract.
TR.C.HAB.L. - Lateral cortico-habenular tract.
TR.C.HAB.M. - Medial cortico-habenular tract.
TR.H.P. - Habenulo-peduncular tract.
TR.HYP. - Hypophysial tract.
TR.M.TEG. - Mammillo-tegmental tract.
TR.M.TH. - Mammillo-thalamic tract.
TR.OLF.L. - Lateral olfactory tract.
TR.OP. - Optic tract.
TR.OP.ACC.P. - Posterior accessory optic tract.
TR.PR.HAB.L. - Lateral preoptice-habenular tract.
TR.PR.HAB.M. - Medial preoptico-habenular tract.
V.III - Third ventricle.
Z.INC. - Zona incerta.

EXPLANATION OF PLATES.

Plate 1 : Fig. 1.- median saggital section of the brain of Elephantulus, X3.

Fig. 2.- ventral aspect of the diencephalon, X10.

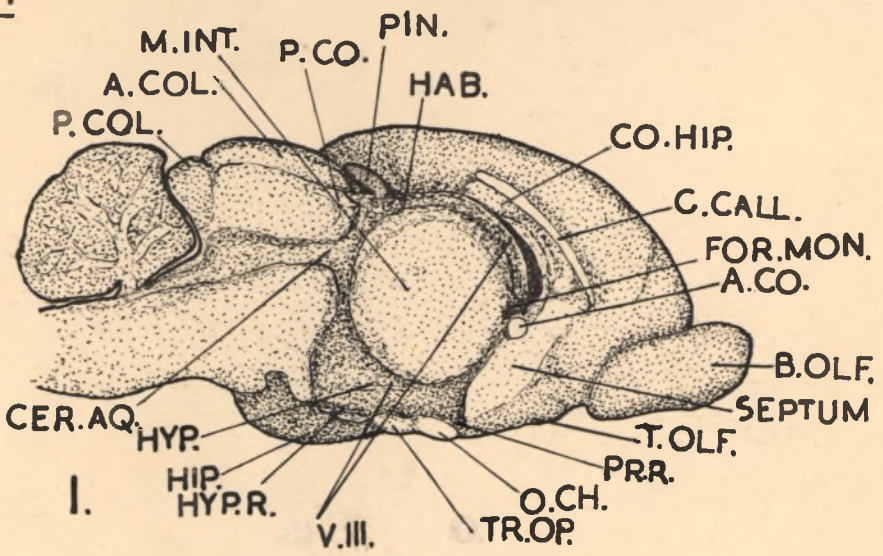
Fig. 3.- dorsal aspect of the diencephalon, X10.

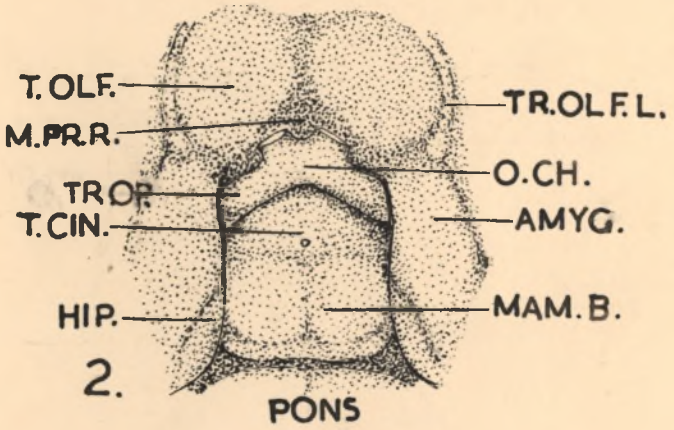
Plates 2 and 3 : Figs. 4 - 15 - Transverse sections through the diencephalon, showing the arrangement of the cell masses, X25.

Plate 4 : Figs. 16 - 23 - Horizontal sections through the diencephalon, showing the arrangement of cell masses, X20.

Plates 5 and 6 : Figs. 24 - 34 - Transverse sections through the diencephalon, showing the arrangement of the main fibre connections, X25.

PLATE I


M.INT.
P.CO.
PIN.
A.COL.
HAB.
P.COL.
CO.HIP.
C.CALL.
FOR.MON.
A.CO.
B.OLF.
SEPTUM
T.OLF.
PR.R.
O.CH.
TR.OP.
CER.AQ.
HYP.
HIP.
HYP.R.
V.III.
1.


T.OLF.
TR.OLF.L.
M.PR.R.
O.CH.
TR.OP.
AMYG.
T.CIN.
MAM.B.
HIP.
2.
PONS

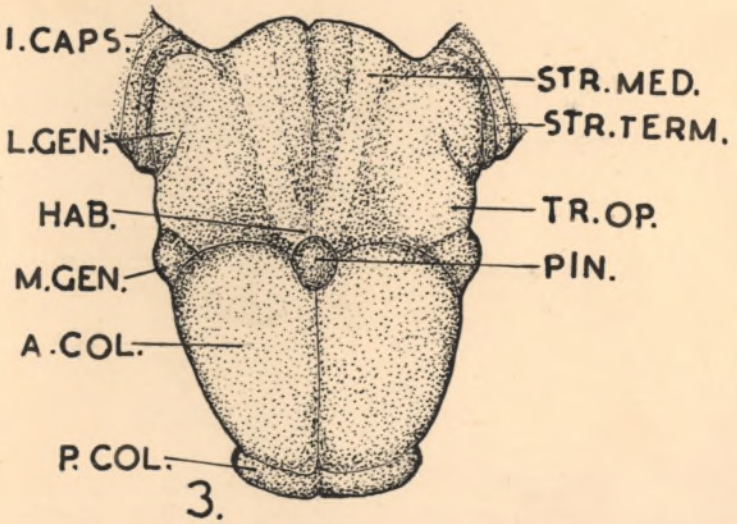
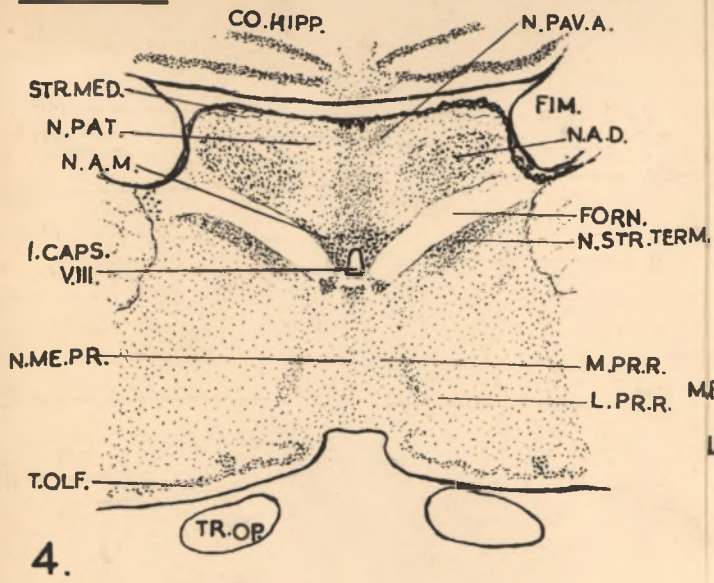
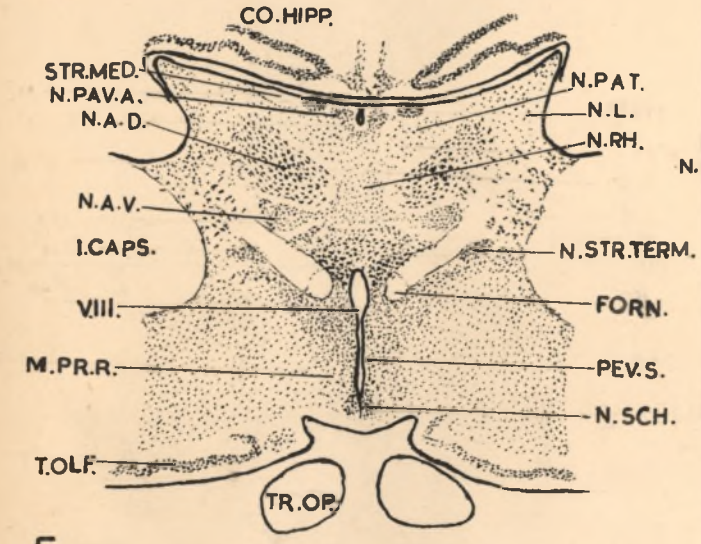

I.CAPS.
STR.MED.
STR.TERM.
L.GEN.
TR.OP.
HAB.
PIN.
M.GEN.
A.COL.
P.COL.
3.

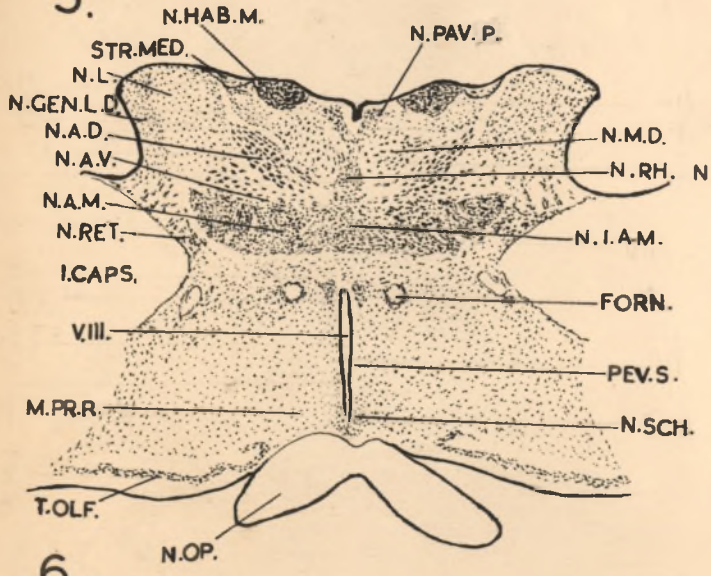
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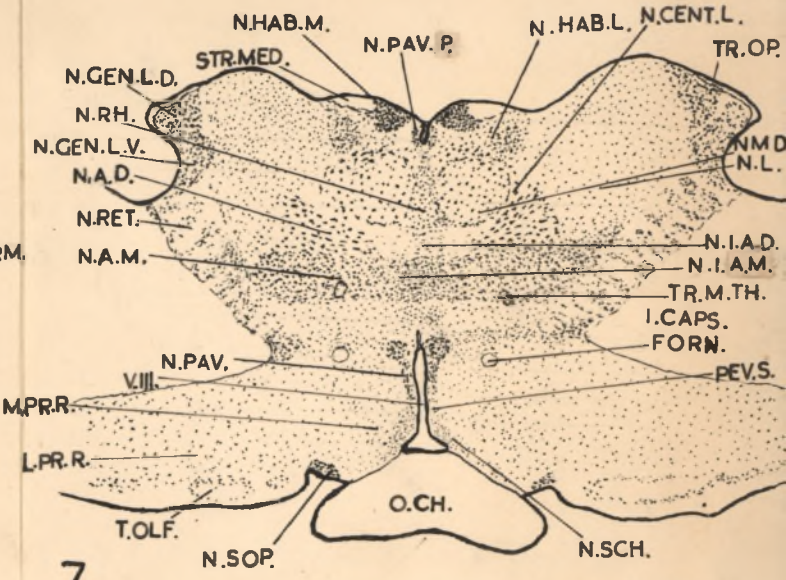
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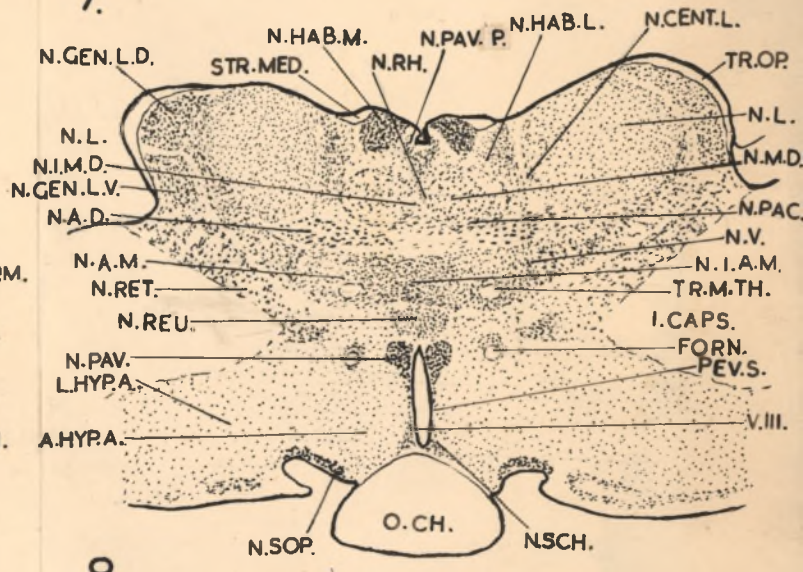
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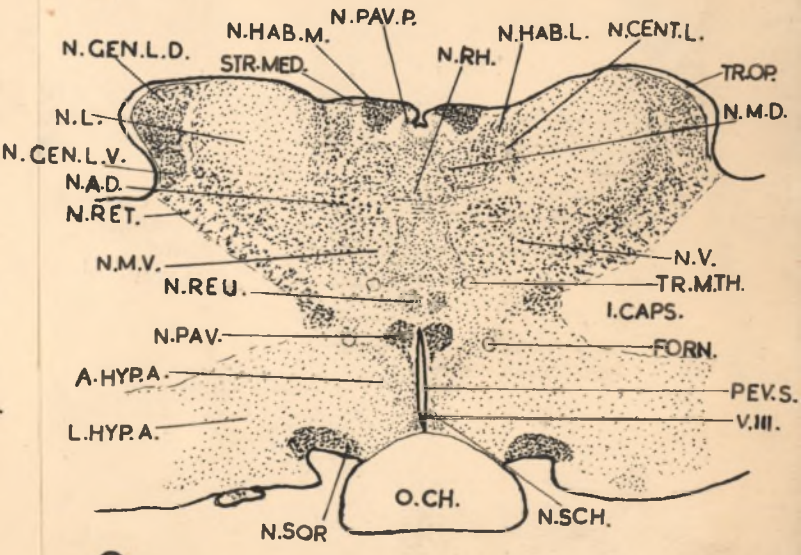
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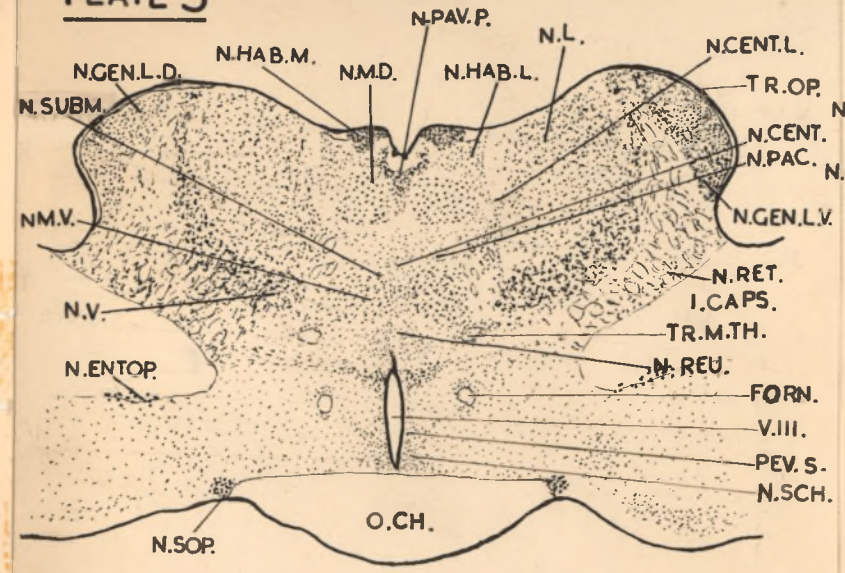


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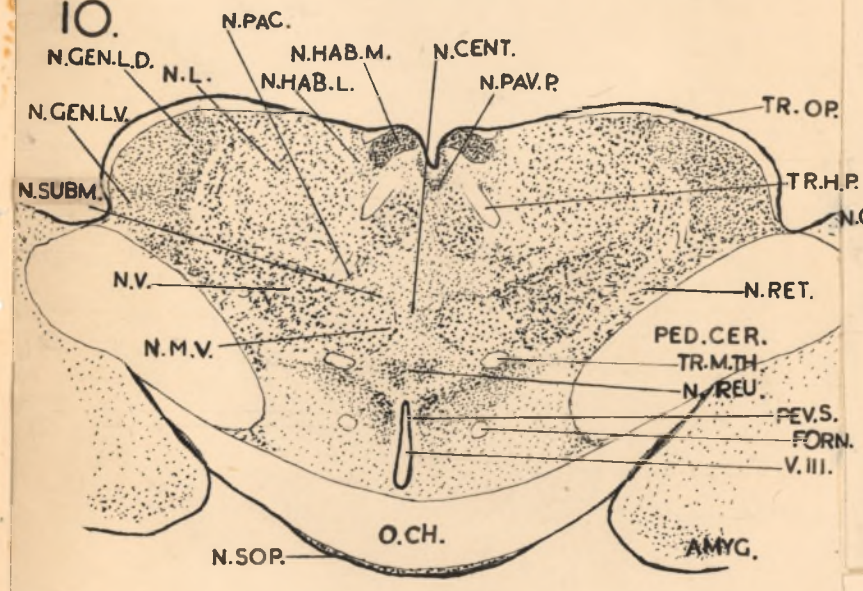


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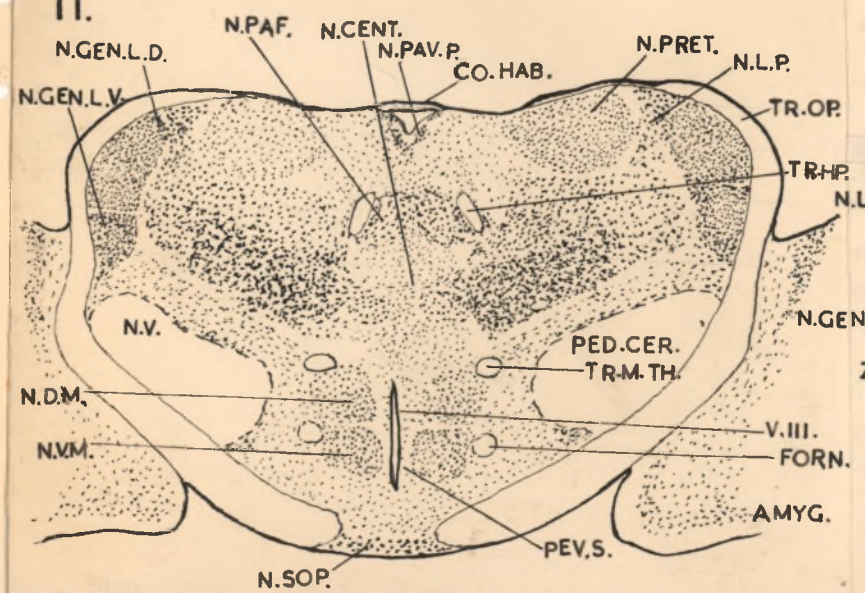
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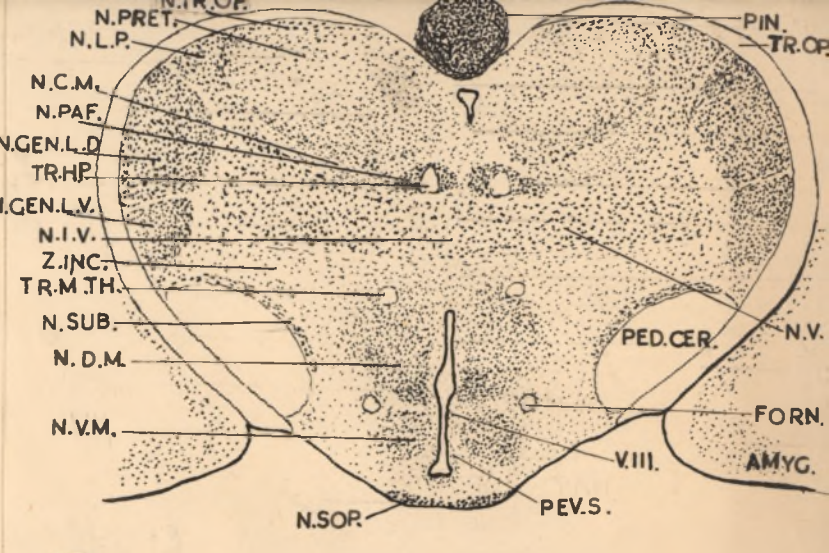


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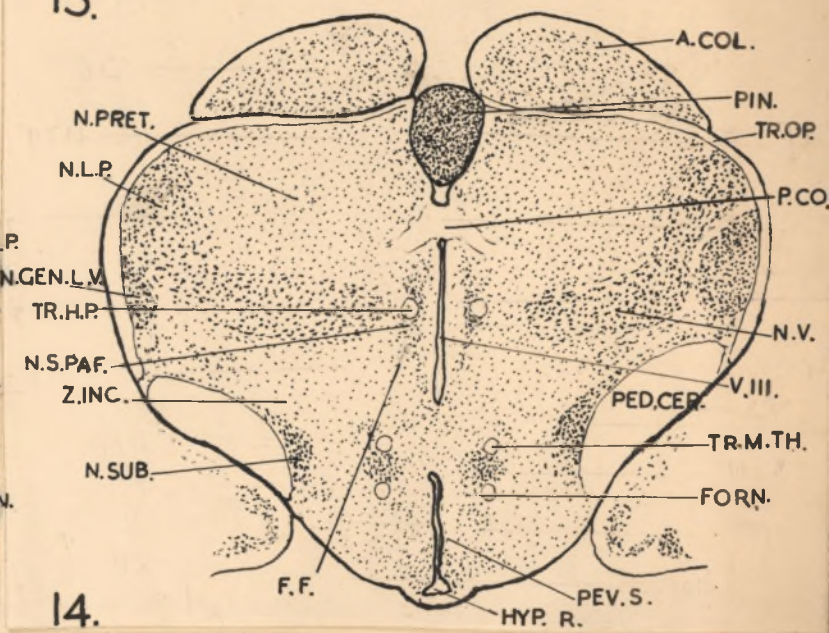


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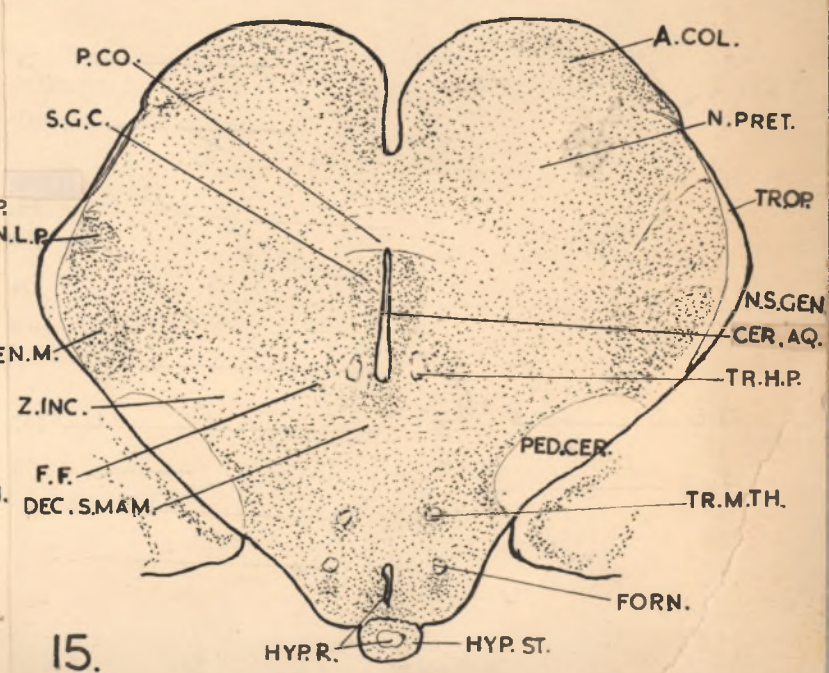
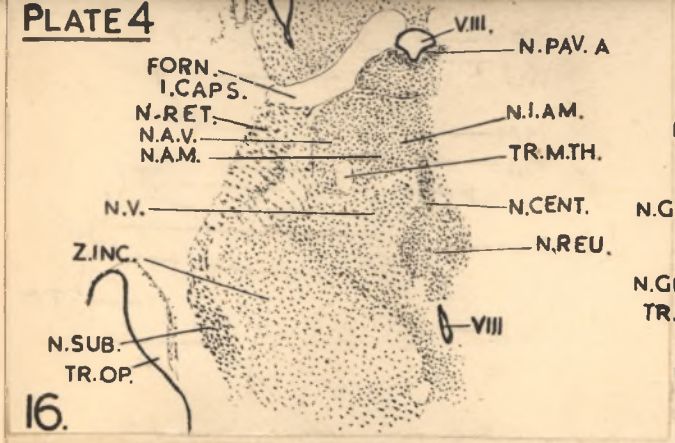
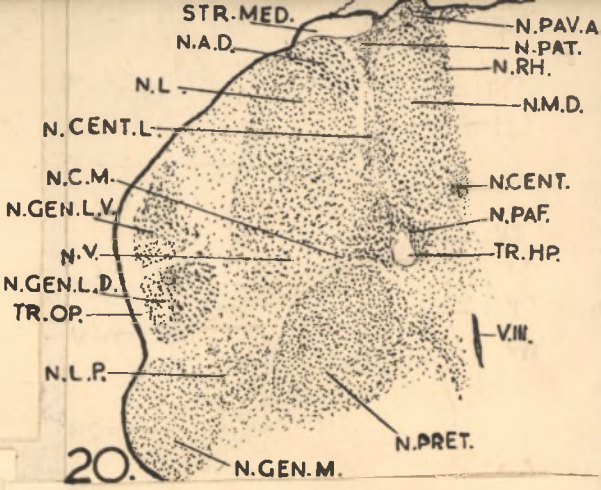


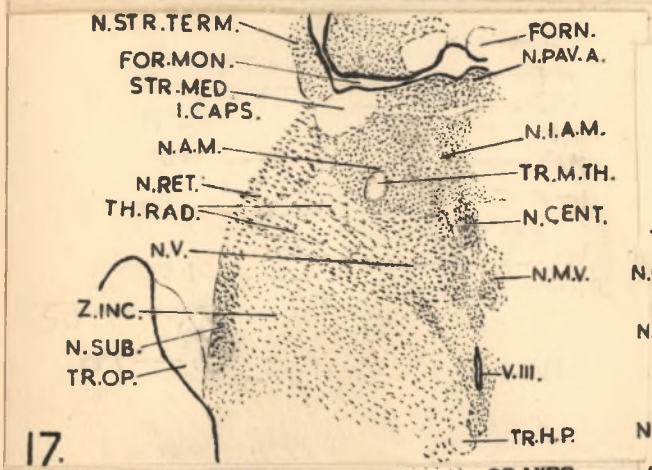
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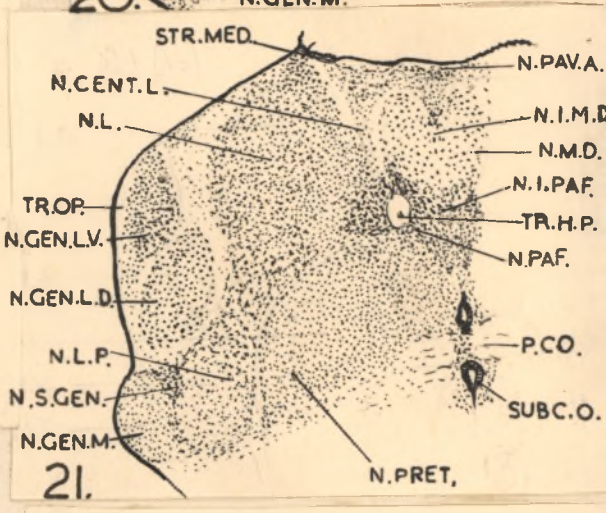
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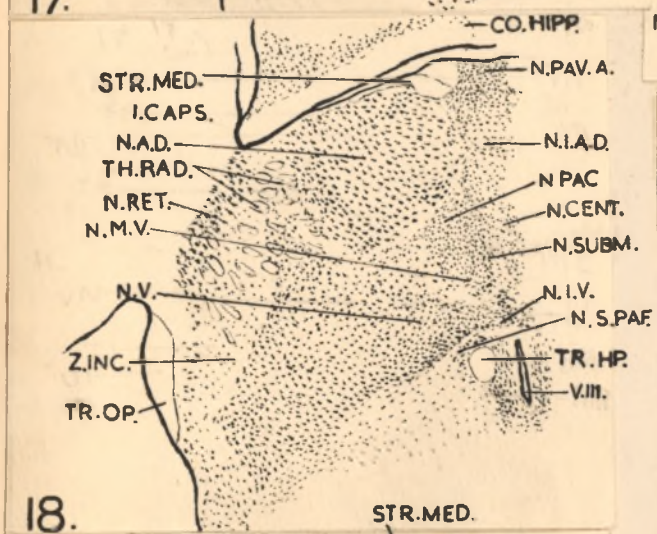
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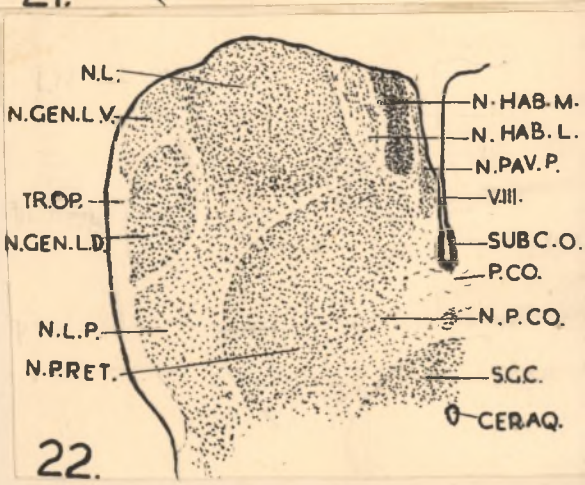
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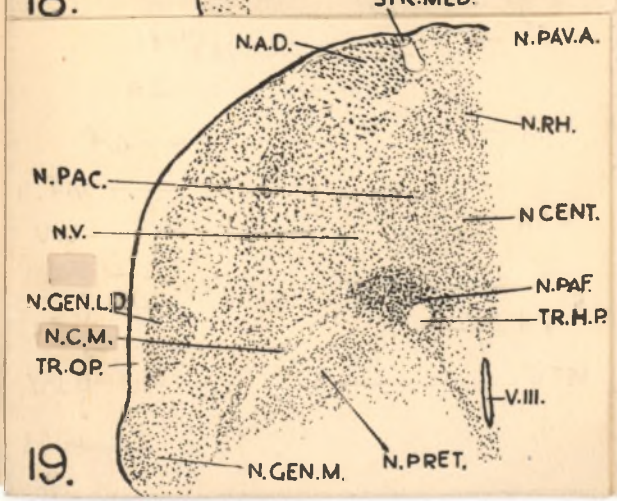
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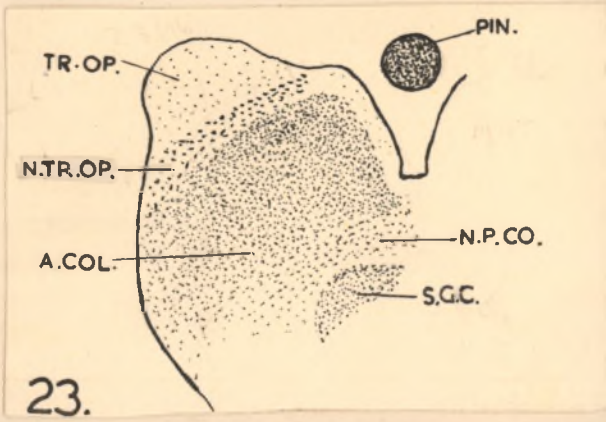
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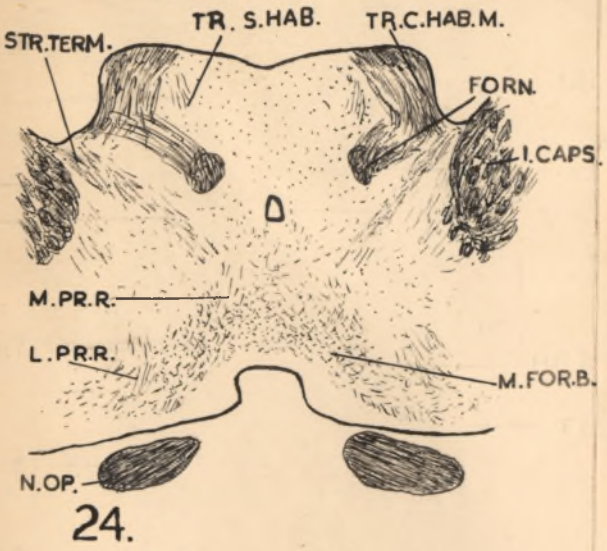


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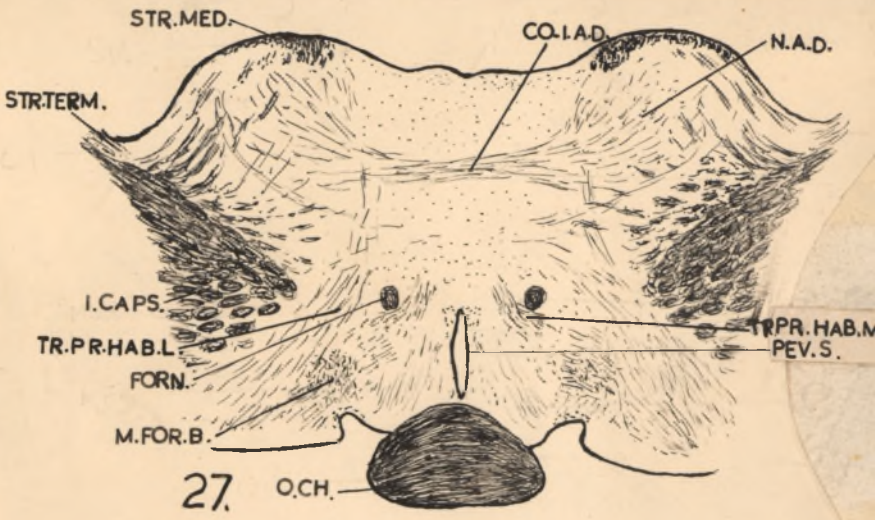


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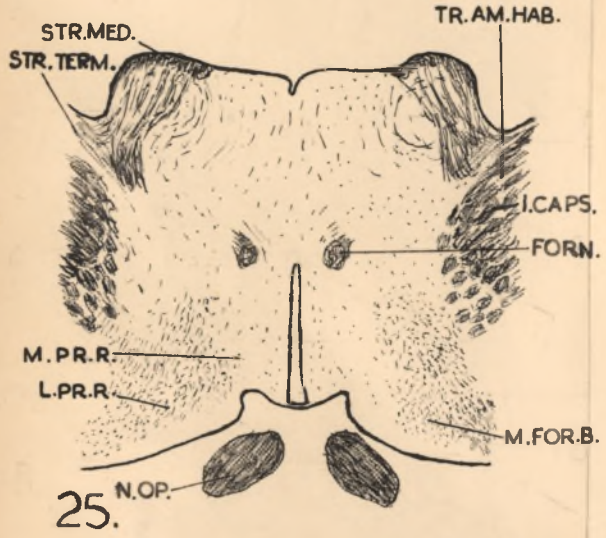
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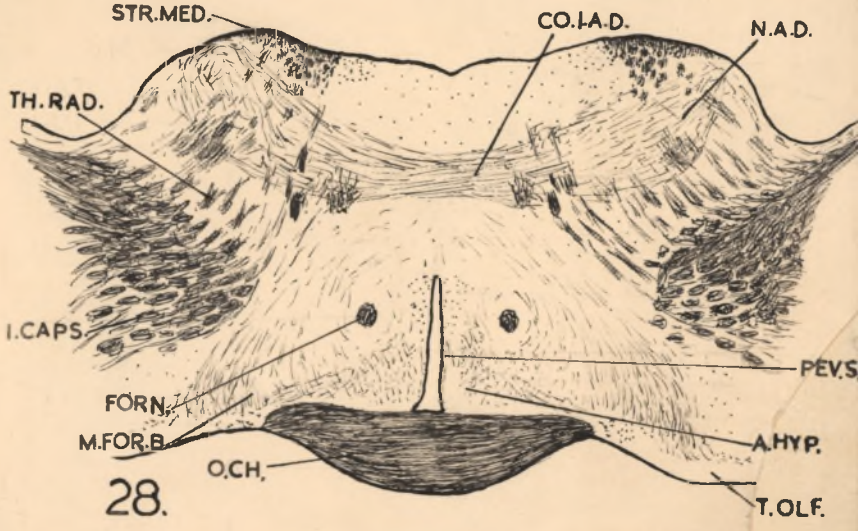
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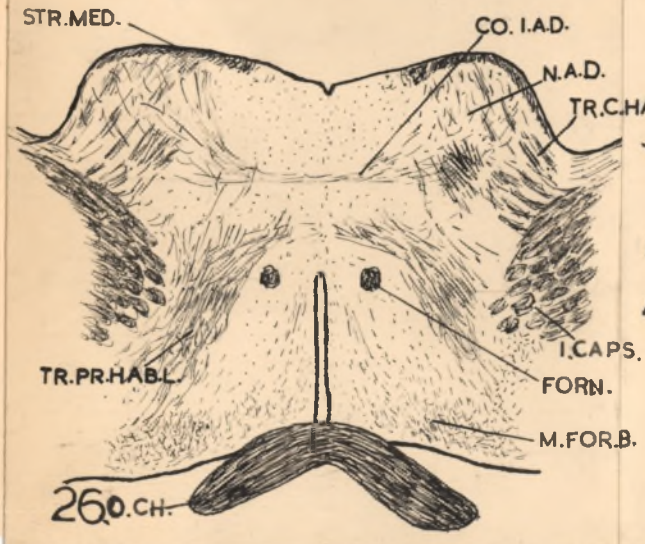
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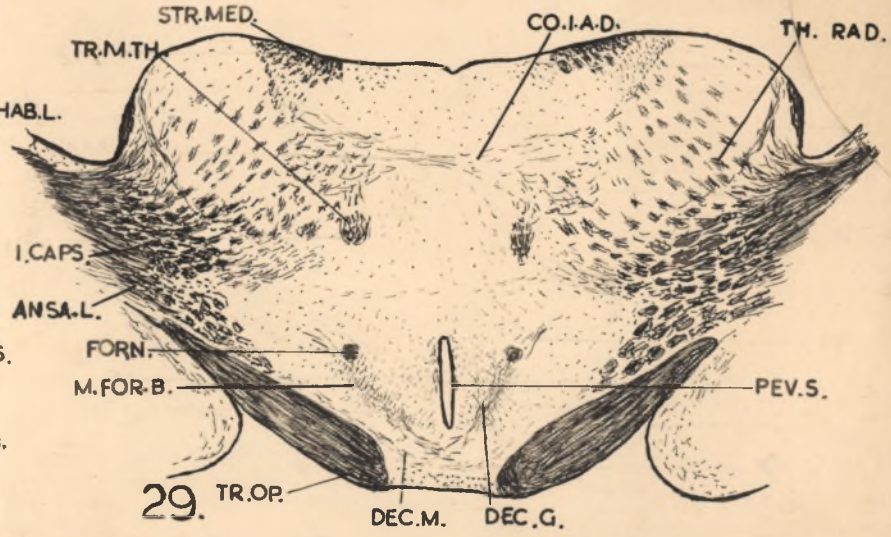
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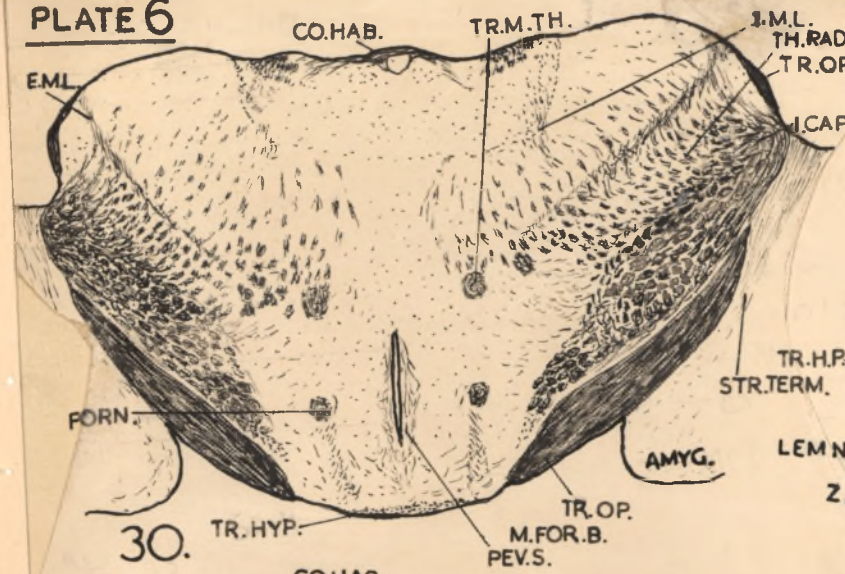


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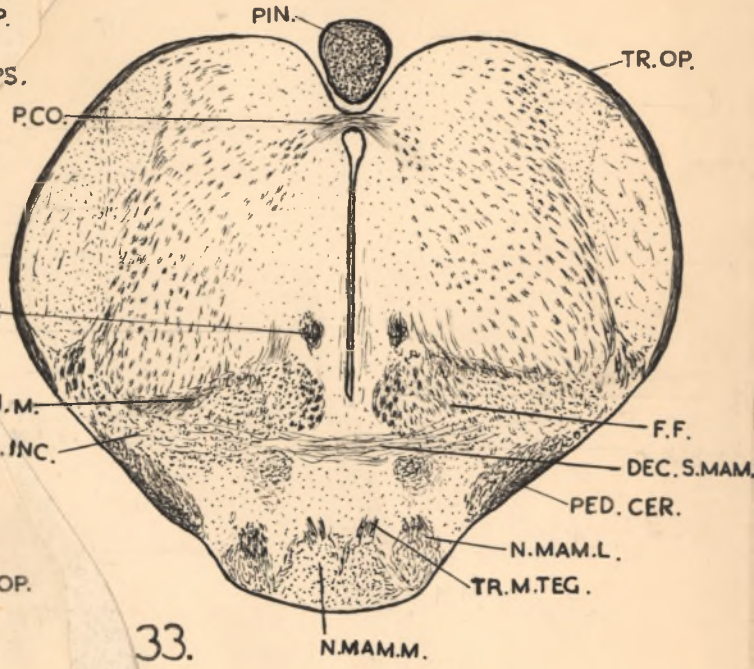


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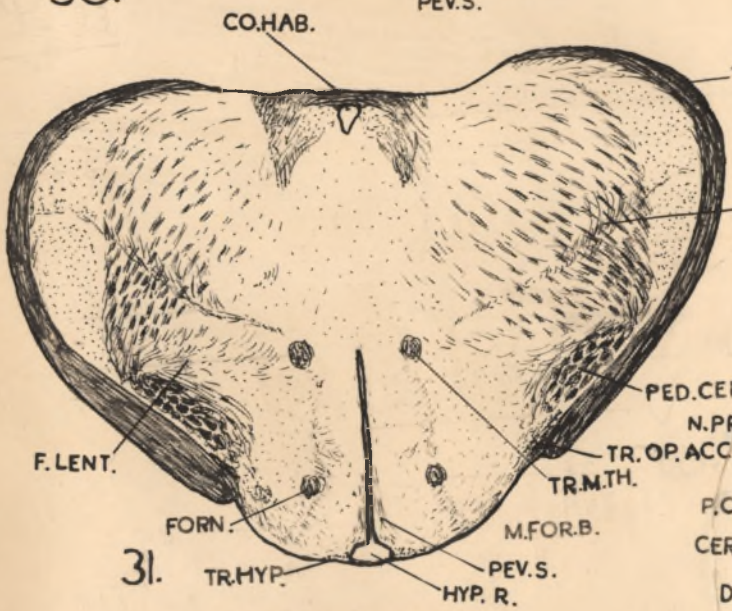
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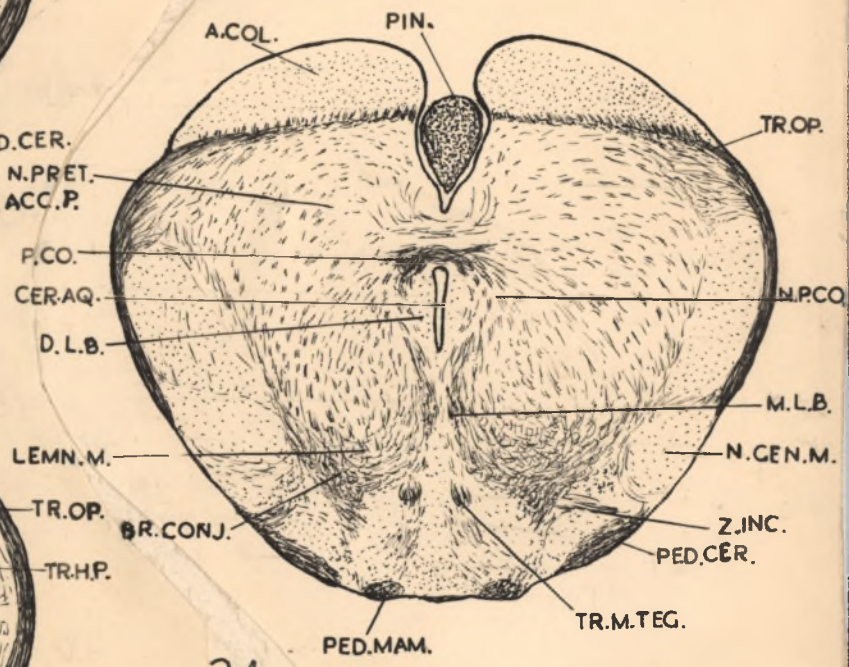
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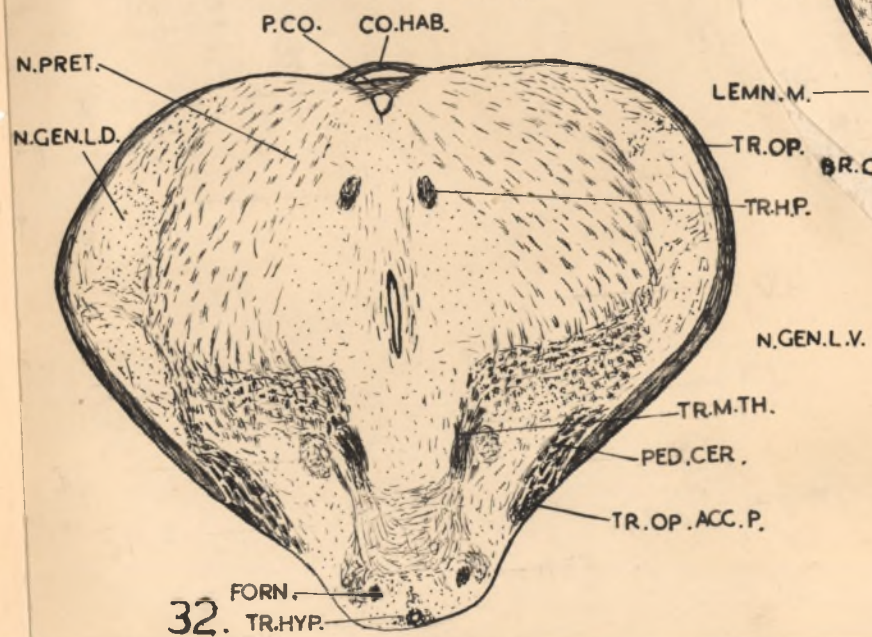
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