




INDIANA UNIVERSITY

DEPARTMENT OF BIOLOGY
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Update of Bibliography of Recent Research on Axolotls

A  **DIALOG*** SEARCH
 FROM THE
 BIOSIS DATABASE

User 16452 Date: 27jan83 Time: 10:34:49 File: 5

Set	Items	Description
1	247	E3-E5 AXOLOTL
2	303	AMBYSTOMA(W)MEXICANUM
3	384	1 OR 2
4	3	UD7909:UD9999
5	9	3/68025833-68999999
6	9	3/17020001-17999999
7	61	3/18000001-70999999
8	56	3/20000001-72999999
9	56	3/22000001-74999999
10	13959	UD=8301
11	2	3 AND 10
12	191	5-9/OR
13	191	11 OR 12
14	191	11 OR 12

Print 14/2/1-191

Search Time: 0.167 Prints: 191 Descs.: 7

(prepared by Craig Watson)

Print 14/2/1-191

DIALOG File5: BIOSIS Previews 77-83/Jan BA7502;RRM2402(See File55) (c. BIOSIS 1982) (Item 1 of 191) User16452 27jan83

75013452

INFLUENCE OF VASOPRESSIN AND OXYTOCIN ON NEOTENY IN THE ADULT MEXICAN AXOLOTL AMBYSTOMA-MEXICANUM.

WELLS D E; MOSER C R
 DEP. BIOL., INDIANA UNIV., BLOOMINGTON, IN 47405.
 J EXP ZOO 221 (2). 1982. 173-180. Coden: JEZOA
 Language: ENGLISH
 Descriptors: TSH METABOLIC-DRUG THYROXINE PROLACTIN IODINE THYROID UPTAKE

Concept Codes: RADIATION BIOL-RADTN,ISOTOP TECH(O6504);
 BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM
 STUD-CARBOHYDR.(10068); MINERALS(10069); PHYSIOLOGY-GENERAL
 STUDIES(*12002); MINERALS(13010); ENDOCRINE SYST-PITUITARY(17-
 O14); ENDOCRINE SYST-NEUROENDOCRINOLOG(17020); PHARMACOL-DRUG
 METAB,METAB STIMU(*22003); PHARMACOL-ENDOCRINE SYST(*22016);
 DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
 Biosystematic Codes: CAUDATA(85304)

75009047

THE GROWTH OF SEGMENTAL NERVES FROM THE SPINAL CORD TO THE HIND LIMB BUD IN THE AXOLOTL/h

FREEMAN J M; BENNETT M R
 THE NEUROBIOLOGY LABORATORY, DEPARTMENT OF PHYSIOLOGY,
 UNIVERSITY OF SYDNEY, N.S.W. 2006, AUSTRALIA.
 AUST J EXP BIOL MED SCI 60 (2). 1982. 133-146. Coden:
 AJEBA

Language: ENGLISH
 Concept Codes: ECOLOGY-WATR RESRCH,FISHERY BIOL(O7517);
 BIOPHYS-MEMBRANE PHENOMENA(*10508); ANATOMY/HISTOL-EXPERIMENT-
 AL(11104); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE
 BODY REGNS-EXTREMITIES(11318); NERVOUS SYST-ANATOMY(*20502);
 NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL BIOL-GENL,D-
 ESCRIPTIVE(*25502); DEVELOPMNTL BIOL-EXPERIMENTAL(25504);
 DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
 Biosystematic Codes: CAUDATA(85304)

75006855

MITOCHONDRIAL MORPHOLOGY IN THE SPERMATOZOA OF THE MEXICAN AXOLOTL AMBYSTOMA-MEXICANUM.

KEYHANI E; LEMANSKI L F
 LAB. CELL BIOL. BIOCHEM., INST. BIOCHEM. BIOPHYSICS, UNIV.
 TEHRAN, P.O. BOX 314-1700, TEHRAN, IRAN.
 J CELL SCI 50 (0). 1981. 449-461. Coden: JNCSA
 Language: ENGLISH

Descriptors: ATP PRODUCTION PLASMA MEMBRANE OXIDATIVE
 PROCESS FACILITATION ELECTRON MICROSCOPY
 Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(O1054);
 ELECTRON MICROSCOPY(O1058); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(-
 10062); BIOPHYS-MEMBRANE PHENOMENA(*10508); ANATOMY/HISTOL-MI-
 CRO,ULTRAMICRSC(*11108); METABOLISM-NUCL ACD,PURINS,PYRIM(*13-
 O14); REPRODUCT SYST-GENL STUDS,METHS(16501); REPRODUCT
 SYST-ANATOMY(*16502); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504);
 TEMPERATURE-GENL,METHS(23001); DEVELOPMNTL BIOL-GEN MORPHGENS-

IS(25508)

Biosystematic Codes: CAUDATA(85304)

75002893

QUANTIFICATION OF TROPO MYOSIN BY RADIO IMMUNOASSAY IN DEVELOPING HEARTS OF CARDIAC MUTANT AXOLOTLS AMBYSTOMA-MEXICANUM.

MOORE P B; LEMANSKI L F
 DEP. MED., UNIV. TEXAS, HEALTH SCIENCE CENT., HOUSTON, TEX.
 77030.

J MUSCLE RES CELL MOTIL 3 (2). 1982. 161-168. Coden:
 JMRMD

Language: ENGLISH
 Descriptors: SARCOMERIC MYO FIBRIL ALPHA ACTININ ACTIN
 MYOSIN INSUFFICIENCY
 Concept Codes: GENETICS/CYTOGENET-ANIMAL(*O3506); GENETICS/-
 CYTOGENET-HUMAN(*O3508); RADIATION BIOL-RADTN,ISOTOP TECH(*O6-
 504); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM
 STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOPHYS-GENERAL
 BIOPHYS TECH(10504); MOVEMENT(12100); METABOLISM-PROTNS,PEPTD-
 S,AM ACDS(*13012); CARDIOVASC SYST-GENL STUDS,METHS(*14501);
 CARDIOVASC SYST-HEART PATHOLOGY(*14506); MUSCLE SYST-GENL
 STUDS,METHS(*17501); MUSCLE SYST-PATHOLOGY(*17506); DEVELOPMNTL
 BIOL-GEN MORPHGENSIS(*25508); DEVELOPMNTL BIOL-EXPER
 TERATOL(*25554); IMMUNOL/IMMUNOCHEM-GEN METH(*34502)
 Biosystematic Codes: CAUDATA(85304)

24010965

EVIDENCE THAT PATTERNING MECHANISMS IN DEVELOPING AND REGENERATING LIMBS ARE THE SAME.

MUNEOKA K; BRYANT S V
 DEVELOPMENTAL BIOL. CENT., UNIV. CALIF., IRVINE, CALIF.
 92717.

NATURE (LOND) 298 (5872). 1982. 369-371. Coden: NATUA
 Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM
 Concept Codes: ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/-
 HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMIT-
 IES(*11318); PHYSIOLOGY-GENERAL STUDIES(*12002); PHYSIOLOGY-C-
 OMPARATIVE(*12003); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
 Biosystematic Codes: CAUDATA(85304)

508): ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108): BLOOD/BODY
 FLD5-OTHER BODY FLD5(*15010): RESPIRATORY SYST-GENL
 STUD, METHS(*16001): RESPIRATORY SYST-ANATOMY(*16002): RESPIRA-
 TORY SYST-PHYSIOL,BIOCHEM(*16004)
 Biosystematic Codes: AMPHIBIA-UNSPECIFIED(85300): CAUDATA(8-
 5304)

74059635 VESTIBULAR AXONS FORM SYNAPSES ON ABNORMALLY DERIVED
 MAUTNER CELLS.

MODEL P G: WURZELMANN S
 DEP. NEUROSCI., ROSE F. KENNEDY CENT. RES. MENTAL
 RETARDATION, ALBERT EINSTEIN COLL. MED., YESHIVA UNIV., BRONX,
 N.Y. 10461, USA.
 DEV BRAIN RES 3 (1), 1982, 123-129. Coden: DBRD

Language: ENGLISH
 Descriptors: AMBYSTOMA-MEXICANUM AXOLOTL LIGHT MICROSCOPY
 ELECTRON MICROSCOPY SYNAPTGENESIS

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056):
 ELECTRON MICROSCOPY(01058): CYTOLOGY/CYTOCHEM-ANIMAL(*02506):
 ECOLGY-WATR RESRCH,FISHERY BIOL(07517): BIOPHYS-MEMBRANE
 PHENOMENA(10508): BIOPHYS-BIOCYBERNETICS(*10515): NERVOUS
 SYST-PHYSIOL,BIOCHEM(*20504): DEVELOPMNTL BIOL-EXPERIMENTAL(*-
 25504): DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
 Biosystematic Codes: CAUDATA(85304)

74059634 PROSPECTIVE FORE BRAIN MID BRAIN FROM AXOLOTL
 AMBYSTOMA-MEXICANUM NEURULAE CAN BE RE PROGRAMMED TO
 DIFFERENTIATE AS MAUTNER CELL CONTAINING MEDULLA.

MODEL P G
 DEP. NEUROSCI., ROSE F. KENNEDY CENT. RES. MENTAL
 RETARDATION, ALBERT EINSTEIN COLL. MED., YESHIVA UNIV., BRONX,
 N.Y. 10461, USA.
 DEV BRAIN RES 3 (1), 1982, 109-122. Coden: DBRD

Language: ENGLISH
 Descriptors: AMBYSTOMA-MEXICANUM TRITIUM LABELED THYMIDINE
 GRAFT ALBINO

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056):
 CYTOLOGY/CYTOCHEM-ANIMAL(*02506):
 GENETICS/CYTOGENET-ANIMAL(03506): RADIATION BIOL-RADTN,ISOTOP
 TECH(06504): ECOLGY-WATR RESRCH,FISHERY BIOL(07517): BIOCHEM
 METH-NUCL ACD,PURNS,PYRM(10052): BIOPHYS-BIOCYBERNETICS(*1051-
 5): ANATOMY/HISTOL-EXPERIMENTAL(11104): ANATOMY/HISTOL-REGEN-
 TRANSPLANT(*11107): NERVOUS SYST-ANATOMY(*20502): NERVOUS
 SYST-PHYSIOL,BIOCHEM(*20504): DEVELOPMNTL BIOL-EXPERIMENTAL(*-
 25504): DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
 Biosystematic Codes: CAUDATA(85304)

24008815 HELPER FUNCTION IN AMBYSTOMA-MEXICANUM A COMMENT.

CHARLEMAGNE J
 LAB. IMMUNOL. COMPARE, UNIV. PIERRE ET MARIE CURIE, 9 QUAI
 SAINT-BERNARD, 7 005-PARIS, FR.
 DEV COMP IMMUNOL 6 (1), 1982, 181-184. Coden: DCIMD
 Language: ENGLISH
 Descriptors: T CELL ANTIGEN ANTIBODY REACTION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506): BIOCHEM
 STUD-PROTEINS,PEPTIDES,AMINO ACD(10064): BIOCHEM STUD-CARBOHY-
 DR.(10068): METABOLISM-CARBOHYDRATES(*13004): METABOLISM-PROT-
 NS,PEPTDS,AM ACDS(*13012): BLOOD/BODY FLD5-BLOOD CELL
 STUDS(*15004): BLOOD/BODY FLD5-LYMPHAT TISS,RES(*15008):
 ENDOCRINE SYST-THYMUS(17016): IMMUNOL/IMMUNOCHEM-GEN METH(345-
 02): IMMUNOL/IMMUNOPATHOL(*34508)
 Biosystematic Codes: CAUDATA(85304)

24007545 CRITICAL LEVELS IN MODELS OF STABLE ALLOMETRIC DEVELOPMENT
 IN BIOLOGICAL SYSTEMS QUANTITATIVE ANALYSIS OF THE STAGES OF
 EMBRYONIC DEVELOPMENT IN POIKILOTHEIRMS.

VASETSKII S G; ZHIRUNSKII A V; KUZ'MIN V I
 N. K. KOL'TSOV INST. DEVELOPMENTAL BIOL., ACD. SCI., USSR.
 SOV J DEV BIOL (ENGL TRANSL ONTOGENEZ) 12 (5), 1981
 (1982): 283-296. Coden: SUBDA
 Language: ENGLISH
 Descriptors: STRONGYLOCENTROTUS-DROBACHIIENSIS ACIPENSER-GU-
 LDENSTADTI SALMO-GAIRNUS MISGURUS-FOSSILIS PLEURODELES-WAL-
 LII AMBYSTOMA-MEXICANUM XENOPUS-LAEVIS RANA-TEMPORARIA
 LYMAEA-STAGNALIS BLASTULATION

Concept Codes: ECOLGY-WATR RESRCH,FISHERY BIOL(07517):
 COMPARATIVE BIOCHEM-GENL STUDIES(*10010): DEVELOPMNTL
 BIOL-GENL,DESCRIPTIVE(*25502): DEVELOPMNTL BIOL-GEN MORPHGENS-
 IS(*25508): INVERTB PHYSIOL-MOLLUSCA(*64026)
 Biosystematic Codes: GASTROPODA(61200): PELECYPODA(61500):
 ECHINODERMA(83300): OSTEICHTHYES(85206): CAUDATA(85304):
 SALIENTIA(85306)

74064885 THE ALVEOLAR LINING LAYER IN THE LUNG OF THE AXOLOTL
 AMBYSTOMA-MEXICANUM AN ELECTRON MICROSCOPIC STUDY USING HEAVY
 METAL COMPLEXES.

DIERICHS R; DOSCHE C
 ANAT. INST., UNIV. MUENSTER, VESLAUSWEG 2-4, 4400 MUENSTER,
 F.R.G.
 CELL TISSUE RES 222 (3), 1982, 677-686. Coden: CTSRC
 Language: ENGLISH
 Descriptors: AMPHIBIAN SURFACTANT PNEUMOCYTE CILIATED CELL
 GOBLET CELL

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056):
 ELECTRON MICROSCOPY(01058): CYTOLOGY/CYTOCHEM-ANIMAL(*02506):
 COMPARATIVE BIOCHEM-GENL STUDIES(*10010): BIOCHEM STUD-PROTEI-
 NS,PEPTIDES,AMINO ACD(10064): BIOCHEM STUD-LIPIDS(*10066):
 BIOCHEM STUD-CARBOHYDR.(10068): BIOPHYS-MEMBRANE PHENOMENA(10-

74046922

EVIDENCE FOR LOW MOLECULAR WEIGHT ANTIBODIES IN THE SERUM OF A URODELE AMPHIBIAN AMBYSTOMA-MEXICANUM.

WARR G W; RUBEN L N; EDWARDS B F
DEP. BIOCHEM., MED. UNIV. SOUTH CAROLINA, CHARLESTON, S.C.
29425.

IMMUNOL LETT 4 (2). 1982. 99-102. Coden: IMLED
Language: ENGLISH
Descriptors: AXOLOTL AZO BENZENE ARSONATE IMMUNO GLOBULIN M
Concept Codes: GENETICS/CYTOGENET-ANIMAL(03506); BIOCHEM
STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068); BIOPHYS-GENERAL
BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP,MACROMOLEC(10506);
MOVEMENT(12100); METABOLISM-CARBOHYDRATES(*13004); METABOLISM-
-PROTNS,PEPTDS,AM ACDS(*13012); BLOOD/BODY FLDS-BLOOD,LYMPH
STUD(15002); IMMUNOL/IMMUNOCHEM-GEN METH(*34502); IMMUNOL/IMM-
UNOCHEM-IMMUNOPATHOL(*34508)
Biosystematic Codes: CAUDATA(85304)

74043904

REGENERATION OF SUBNORMALLY INNERVATED AXOLOTL ARMS.

WALLACE H; WATSON A; EDGAR M
DEP. GENETICS, UNIV. BIRMINGHAM, BIRMINGHAM U.K.
J EMBRYOL EXP MORPHOL 62 (0). 1981. 1-11. Coden: JEEMA
Language: ENGLISH
Descriptors: AXON

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM
STUD-CARBOHYDR.(10068); ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY
REGNS-EXTREMITIES(*11318); PATHOLOGY-NECROSIS(12510); METABOL-
ISM-CARBOHYDRATES(13004); METABOLISM-LIPIDS(13006); METABOLIS-
M-PROTNS,PEPTDS,AM ACDS(13012); NERVOUS SYST-GENL STUDS,METHS-
(*20501); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504)
Biosystematic Codes: CAUDATA(85304)

74035863

THE PATTERN OF LATERAL LINE AFFERENTS IN URODELES A HORSERADISH PEROXIDASE STUDY.

FRITZSCH B
UNIV. BIELEFELD, FAKULTAET BIOL., POSTFACH 8640, D-4800
BIELEFELD 1, FRG.
CELL TISSUE RES 218 (3). 1981 (RECD. 1982). 581-594.
Coden: CTSRC

Language: ENGLISH
Descriptors: SALAMANDRA-SALAMANDRA TRITURUS-ALPESTRIS
TRITURUS-CRISTATUS AMBYSTOMA-MEXICANUM FISH MEDULLARY ALAR
PLATE HAIR CELL NEUROMAST PIT ORGAN NERVUS TRIGEMINUS NERVUS
FACIALIS
Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-WATR RESRCH,FISHERY
BIOL(07517); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064);
BIOCHEM STUD-PORPHYRNS,BILE PIGM(10065); ENZYMES-PHYSIOLOGICAL
STUDIES(10808); ANATOMY/HISTOL-COMPARATIVE(*11103); SENSE
ORGANS-ANATOMY(*20002); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004);

NERVOUS SYST-ANATOMY(*20502); NERVOUS SYST-PHYSIOL,BIOCHEM(*2-
0504); PLANT PHYSIOL-ENZYMES(51519)
Biosystematic Codes: CRUCIFERAE(25880); PISCES-UNSPECIFIED(-
85200); CAUDATA(85304)

74031814

DEGENERATIVE CEMENT GLAND A LETHAL RECESSIVE MUTATION IN XENOPUS-LAEVIS.

DROIN A
STATION ZOOL. EXPERIMENTALE, DEP. BIOL. ANIMALE 154,
MALAGNOU, CH-1224 CHENE-BOUGERIES, GENEVE.
ACTA EMBRYOL MORPHOL EXP NEW SER 2 (2). 1981 (RECD. 1982).
101-114. Coden: AMEXD

Language: ENGLISH
Descriptors: XENOPUS-LAEVIS-LAEVIS CAPE-TOWN SOUTH AFRICA
AUTONOMOUS CELL LETHAL MUTANT GENE PARABIOSIS
Concept Codes: GENETICS/CYTOGENET-ANIMAL(*03506); ANATOMY/H-
ISTOL-REGEN,TRANSPLANT(11107); PATHOLOGY-NECROSIS(12510); DEV-
ELOPMNTL BIOL-PATHOLOGICAL(*25503); DEVELOPMNTL BIOL-EXPERIME-
NTAL(*25504)
Biosystematic Codes: SALIENTIA(85306)

74030595

COMPARATIVE ANALYSIS OF AMPHIBIAN SOMITE MORPHOGENESIS CELL REARRANGEMENT PATTERNS DURING ROSETTE FORMATION AND MYO BLAST FUSION.

YOUN B W; MALACINSKI G M
DEP. OF BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA 47401,
U.S.A.
J EMBRYOL EXP MORPHOL 66 (0). 1981 (RECD. 1982). 1-26.
Coden: JEEMA

Language: ENGLISH
Descriptors: AMBYSTOMA-MEXICANUM PLEURODELES-WALTLII
RANA-SPHENOCEPHALA MYOTOMAL CELL MULTI NUCLEARITY EVOLUTION
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
ELECTRON MICROSCOPY(01058); EVOLUTION(*01500); CYTOLOGY/CYTOC-
HEM-ANIMAL(*02506); BIOPHYS-MEMBRANE PHENOMENA(10508);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108);
PHYSIOLOGY-COMPARATIVE(*12003); MUSCLE SYST-PHYSIOL,BIOCHEM(*-
17504); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL
BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

74009738

NEURAL CREST CELL BEHAVIOR IN WHITE AND DARK EMBRYOS OF AMBYSTOMA-MEXICANUM EPIDERMAL INHIBITION OF PIGMENT CELL MIGRATION IN THE WHITE AXOLOTL.

KELLER R E; LOBERG J; SPIETH J
 DEP. ZOOL. UNIV. CALIF., BERKELEY, CALIF. 94720.
 DEV BIOL 89 (1), 1982, 179-195. Coden: DEBIA

Concept Codes: MELANOPHORE MESODERM GRAFT ELECTRON MICROSCOPE
 Descriptors: ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
 GENETICS/CYTOGENET-ANIMAL(*03506);
 ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
 BONE,JNTS,FASC,CONN/ADIP-GENL(18004); INTEGUMENT SYST-GENL

STUDS,METHS(18501); INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504);
 NERVOUS SYST-GENL STDS,METHS(20501); NERVOUS SYST-PHYSIOL,BI-
 OCHEM(*20504); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504)
 Biosystematic Codes: CAUDATA(85304)

74007804

LACTATE DEHYDROGENASE ISO ENZYME PATTERN AS A MARKER OF LYMPHOCTE POPULATIONS IN THE AXOLOTL AMBYSTOMA-MEXICANUM.

GUILLET F; TOURNIER A
 LAB. BIOL. ANIMALE II, 9 QUAI ST. BERNARD, 75005 PARIS, FRANCE.
 DEV COMP IMMUNOL 5 (4), 1981, 617-628. Coden: DCIMD

Descriptores: THYMIC SPLENIC BLOOD ERYTHROCYTES ENZYME
 ACTIVITY HYDROCORITSONE IMMUNOLOGIC-DRUG
 Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); COMPARATIVE
 BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-PROTNS,PEPTDS,AM
 AC(10054); BIOCHEM STUD-PROTINS,PEPTIDES,AMINO ACD(10064);
 BIOCHEM STUD-STEROLS,STEROIDS(10067); BIOPHYS-GENERAL BIOPHYS
 TECH(10504); ENZYMES-GEN,COMPAR STUD.COENZMS(*10802);
 ENZYMES-METHODS(*10804); ENZYMES-CHEM,PHYSICAL STUDIES(*10806)
 ENZYMES-PHYSIOLOGICAL STUDIES(10808); MOVEMENT(12100);
 BLOOD/BODY FLDS-BLOOD CELL STDS(*15004); BLOOD/BODY
 FLDS-LYMPHAT TISS,RES(*15008); ENDOCRINE SYST-ADRENALS(17004);
 ENDOCRINE SYST-THYMUS(17016); BONE,JNTS,FASC,CONN/ADIP-GENL(1-
 8001); PHARMACOL-BLOOD,HEMATO AGENTS(22008); PHARMACOL-ENDOCR-
 INE SYST(22016); PHARMACOL-IMMUNO PROCES,ALLERGY(22018);
 IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNO-
 PATIHL(*34508)
 Biosystematic Codes: CAUDATA(85304)

74015929

MORPHOLOGICAL DIFFERENTIATION OF MITOCHONDRIA IN THE EARLY AMPHIBIAN EMBRYO.

NELSON L; LORENZON R; BOQUIST L; LOVTRUP S
 DEP. ZOOPHYSIOL., UNIV. UMEA, S-901 87 UMEA, SWEDEN.
 EXP CELL RES 137 (1), 1982, 25-30. Coden: ECREA

Descriptores: AMBYSTOMA-MEXICANUM EPIDERMAL CELL RUFFINI CELL
 Concept Codes: PHOTODGRAPHY-METHS,MATLS,APPARAT(01012);
 ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
 ANATOMY/HISTOL-COMPARATIVE(11103);
 ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108);
 PHYSIOLOGY-COMPARATIVE(12003);
 BONE,JNTS,FASC,CONN/ADIP-ANATOMY(18002);
 BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(18004); INTEGUMENT SYST-ANAT-
 OMY(18502); INTEGUMENT SYST-PHYSIOL,BIOCHEM(18504); DEVELOPMN-
 TL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN
 MORPHGENSIS(*25508); TISS CULTURE-APPARAT,METHS,MEDIA(32500)
 Biosystematic Codes: CAUDATA(85304)

74023297

SYNAPTGENESIS AND ITS RELATION TO GROWTH OF THE POSTSYNAPTIC CELL A QUANTITATIVE STUDY OF THE MAUTNER NEURON OF THE AXOLOTL AMBYSTOMA-MEXICANUM.

JACOBY J; KIMMEL C B
 DEP. PHYSIOL, BIOPHYS., NEW YORK UNIV. MED. CENT., 550 FIRST
 AVE., NEW YORK, N.Y. 10016.
 J COMP NEUROL 204 (4), 1982, 364-376. Coden: JCNFA

Descriptores: EMBRYO
 Language: ENGLISH
 U COMP NEUROL 204 (4), 1982, 364-376. Coden: JCNFA

Concept Codes: PHOTOGRAPHY-METHS,MATLS,APPARAT(01012);
 MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054); ELECTRON MICROSCOPY(-
 01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); MATHEMATIC BIOL/STA-
 TISTIC METH(04500); BIOPHYS-MEMBRANE PHENOMENA(*10508);
 ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); NERVOUS SYST-GENL
 STUDS,METHS(20501); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504);
 DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL
 BIOL-GEN MORPHGENSIS(*25508)
 Biosystematic Codes: CAUDATA(85304)

74029390

REGENERATION OF AXOLOTL LIMBS COVERED BY FRQG RANA-PIPIENS SKIN/!

CARLSON B M
 DEP. ANAT., UNIV. MICH., ANN ARBOR, MICH. 48109.
 DEV BIOL 90 (2), 1982, 435-440. Coden: DEBIA

Concept Codes: ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/-
 HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMIT-
 IES(*11318); MOVEMENT(12100); INTEGUMENT SYST-GENL
 STUDS,METHS(18501); INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504);
 DEVELOPMNTL BIOL-GEN MORPHGENSIS(25508)
 Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

74006607

ELECTRO PHYSIOLOGICAL EVIDENCE OF ELECTRO RECEPTION IN THE AXOLOTL SIREDON-MEXICANUM.

MUENZ H; CLAAS B; FRITZSCH B
LEHRSTUHL BIOLOGIE II, FAKULTAET FUER BIOLOGIE DER
UNIVERSITAET BIELEFELD, POSTFACH 8640 D-4800 BIELEFELD 1,
F.R.G.

NEUROSCI LETT 28 (1). 1982. 107-112. Coden: NELED

Language: ENGLISH

Descriptors: LATERAL LINE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOPHYS-GE-
NERAL BIOPHYS TECH(10504); EXTERN EFF-ELECTR,MAGNET,GRAVITY(1-
0610); EXTERN EFF-PHYSICAL,MECH EFFECTS(10612); SENSE
ORGANS-GENL STUDS,METHS(20001); SENSE ORGANS-PHYSIOL,BIOCHEM(-
*20004); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS
SYST-PHYSIOL,BIOCHEM(*20504)

Biosystematic Codes: CAUDATA(85304)

74004662

AUTO RADIOGRAPHIC INVESTIGATIONS OF THE POST NATAL PROLIFERATIVE ACTIVITY OF THE TELEENCEPHALIC AND DIENCEPHALIC MATRIX ZONES IN THE AXOLOTL AMBYSTOMA-MEXICANUM WITH SPECIAL REFERENCES TO THE OLFACTORY ORGAN.

RICHTER W; KRANZ D

ANATOMISCHES INSTITUT, DDR-1040 BERLIN, PHILLIPPSTRASSE 12.
Z MIKROSK-ANAT FORSCH (LEIPZ) 95 (6). 1981 (RECD. 1982).

883-904. Coden: ZMAFA

Language: GERMAN

Descriptors: NEURO BLAST FORE BRAIN REGENERATION

Concept Codes: PHOTOGRAPHY-METHS,MATLS,APPARAT(01012);
CYTOLOGY/CYTOCHEM-ANIMAL(02506); RADIATION BIOL-RADTN,ISOTOP
TECH(06504); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062);
ANATOMY/HISTOL-RADIOLOGIC(*11106);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); SENSE ORGANS-ANATOMY-
(*20002); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS
SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL BIOL-GEN MORPHGENSI-
S(*25508)

Biosystematic Codes: CAUDATA(85304)

74001453

CELLULAR CONTACTS BETWEEN HIND BRAIN AND PROSPECTIVE EAR DURING INDUCTIVE INTERACTION IN THE AXOLOTL AMBYSTOMA-MEXICANUM EMBRYO.

MODEL P G; JARRETT L S; BONAZZOLI R

DEP. OF NEUROSCIENCE, KENNEDY CENTER, ALBERT EINSTEIN
COLLEGE OF MEDICINE, BRONX, NEW YORK 10461, U.S.A.

J EMBRYOL EXP MORPHOL 66 (0). 1981 (RECD. 1982). 27-42.

Coden: JEEMA

Language: ENGLISH

Descriptors: CELL PROCESSES FOCAL JUNCTION

Concept Codes: SENSE ORGANS-GENL STUDS,METHS(20001); SENSE
ORGANS-ANATOMY(*20002); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004);
NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-ANATOMY(*2-
0502); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL

BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENSI-
S(*25508)

Biosystematic Codes: CAUDATA(85304)

73083351

ANTIGEN TRAPPING IN AMBYSTOMA-MEXICANUM ROLE OF SECONDARY LYMPHOID ORGANS.

TAHAN A M; JURD R D

DEP. BIOL., UNIV. ESSEX, WIVENHOE PARK, COLCHESTER, ESSEX
CO4 3SQ, ENGL.

DEV COMP IMMUNOL 5 (2). 1981. 291-300. Coden: DCIMD

Language: ENGLISH

Descriptors: HORSE ERYTHROCYTE SPLEEN LIVER KIDNEY POLY
VINYL PYRROLIDONE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); RADIATION
BIOL-RADTN,ISOTOP TECH(06504); BIOCHEM STUD-GENERAL(10060);
EXTERN EFF-COLD(10616); DIGESTIVE SYST-PATHOLOGY(*14006);
BLOOD/BODY FLDS-BLOOD CELL STUDS(*15004); BLOOD/BODY
FLDS-LYMPHAT TISS,RES(*15008); URIN SYST/EXT SEC-PATHOLOGY(*-
15506); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHE-
M-IMMUNOPATHOL(*34508)

Biosystematic Codes: CAUDATA(85304); EQUIDAE(86145)

73081547

THE MOVEMENT OF THE PROSPECTIVE EYE VESICLES FROM THE NEURAL PLATE INTO THE NEURAL FOLD IN AMBYSTOMA-MEXICANUM AND XENOPUS-LAEVIS/e

BRUN R B

BIOL. DEP., TEXAS CHRISTIAN UNIV., FORTH WORTH, TEXAS 76129.
DEV BIOL 88 (1). 1981. 192-200. Coden: DEBIA

Language: ENGLISH

Concept Codes: PHOTOGRAPHY-METHS,MATLS,APPARAT(01012);
MICROSCOPY-HISTOL,HISTOCHEM TECH(01056); ANATOMY/HISTOL-EXPER-
IMENTAL(11104); ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); MOVEM-
ENT(12100); SENSE ORGANS-GENL STUDS,METHS(20001); SENSE
ORGANS-ANATOMY(20002); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004);
NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-ANATOMY(20-
502); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL
BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-EXPERIMENTAL(-
*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

73076046
THYMUS DEPENDENCY IN ANTI TRI NITRO PHENYL BINDING RESPONSES
IN THE SPLEEN OF AMBYSTOMA-MEXICANUM EFFECTS OF THYMECTOMY AND
ANTI THYMOCYTE SERUM TREATMENTS/e
TAHAN A M; JURD R D
DEP. OF BIOLOGY, UNIV. OF ESSEX, WIVENHOE PARK, COLCHESTER,
ESSEX, CO4 3SQ, ENGLAND.
DEV COMP IMMUNOL 5 (1). 1981. 85-94. Coden: DCIMD
Language: ENGLISH
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM
METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM METH-CARBOHYDRATES(1-
0058); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEP-
TIDES,AMINO AC(10064); BIOCHEM STUD-CARBOHYDR.(10068);
ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-SURGERY(11105); METABOLISM-CARBOHYDRATES(13004)
: METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); BLOOD/BODY
FLDS-BLOOD,LYMPH STUD(15002); BLOOD/BODY FLDS-BLOOD CELL
STUDS(*15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(*15008);
ENDOCRINE SYST-THYMUS(*17016); PHARMACOL-IMMUNO PROCES,ALLERG-
Y(22018); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOC-
HEM-IMMUNOPATHOL(*34508)
Biosystematic Codes: CAUDATA(85304)

73059342
AMPHIBIAN LIMB ONTOGENY AND ITS BEARING ON THE PHYLOGENY OF
THE GROUP.
DE SAINT-AUBAIN M L
INSTITUTE OF COMPARATIVE ANATOMY, UNIV. OF COPENHAGEN, 15
UNIVERSITETSPARKEN, DK-2100 COPENHAGEN.
Z Zool Syst Evolutionsforsch 19 (3). 1981. 175-194.
Coden: ZZSEA
Language: ENGLISH
Descriptors: AMBYSTOMA-MEXICANUM TRITURUS-VULGARIS XENOPUS-
LAEVIS HYPEROLIUS-SPINIGULARIS BUFO-BUFO BUFO-VIRIDIS LARVA
SKELTON MORPHOTYPE CROSSOPTERYGIAN FIN CLADGRAM
GENERAL LABORATORY METHODS(01004);
Concept Codes: GENERAL LABORATORY METHODS(01012);
EVOLUTION(*01500);
PHOTOGRAPHY-METHS,MATLS,APPARAT(01012);
ANATOMY/HISTOL-GROSS(11102);
ANATOMY/HISTOL-COMPARATIVE(*11103); CHORDATE BODY REGNS-EXTRE-
MITIES(*11318); BONE,JNTS,FASC,CONN/ADIP-GENL(18001); BONE,JN-
TS,FASC,CONN/ADIP-ANATOMY(*18002); DEVELOPMNTL
BIOL-GEN
MORPHGENSIS(*25508); CHORDATE
TAXONOMY-PISCS(*62510);
Biosystematic Codes: OSTEICHTHYES(85206); CAUDATA(85304);
SALIENTIA(85306)

73058473
PROBABILITY ASPECTS OF SUPERNUMERARY PRODUCTION IN THE
REGENERATING LIMBS OF THE AXOLOTL AMBYSTOMA-MEXICANUM.
TURNER R N
ANATOMY DEP., KING'S COLL., UNIV. LONDON, STRAND, LONDON
WC2R 2LS, U.K.
J EMBRYOL EXP MORPHOL 65 (0). 1981. 119-126. Coden:
JEEWA
Language: ENGLISH
Descriptors: POLAR COORDINATE MODEL STOCHASTIC THEORY
Concept Codes: MATHEMATIC BIOL/STATISTIC METH(*04500);
ECOLOG-WATR RESRCH,FISHERY BIOL(07517); BIOPHYS-BIOCYBERNETI-
CS(10515); ANATOMY/HISTOL-COMPARATIVE(*11103); CHORDATE BODY
REGNS-EXTREMITIES(*11318); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*-
25508)
Biosystematic Codes: CAUDATA(85304)

73073068
THE ABILITY OF LOCALIZED IMPLANTS OF WHOLE OR MINCED DERMIS
TO DISRUPT PATTERN FORMATION IN THE REGENERATING FORE LIMB OF
THE AXOLOTL AMBYSTOMA-MEXICANUM.
TANK P W
DEP. ANATOMY, UNIV. ARKANSAS MED. SCI., LITTLE ROCK,
ARKANSAS 72205.
AM J ANAT 162 (4). 1981 (RECD. 1982). 315-326. Coden:
AJANA
Language: ENGLISH
Descriptors: VIABLE CELL AMPUTATION FREEZING X IRRADIATION
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); RADIATION
BIOL-RADTN EFF,PROTECT(06506); BIOCHEM STUD-GENERAL(10060);

73074269
SUPPRESSION OF 1ST CLEAVAGE IN THE MEXICAN AXOLOTL
AMBYSTOMA-MEXICANUM BY HEAT SHOCK OR HYDROSTATIC PRESSURE.
GILLESPIE L; ARMSTRONG J B
DEP. BIOL., UNIV. OTTAWA, OTTAWA, ONTARIO, K1N 6N5 CANADA.
J EXP Zool 218 (3). 1981 (RECD. 1982). 441-446. Coden:
JEZOA
Language: ENGLISH
Descriptors: ANDROGENETIC DI PLOIDS
Concept Codes: GENETICS/CYTOGENET-ANIMAL(*03506); RADIATION
BIOL-RADTN,ISOTOP TECH(06504); BIOPHYS-GENERAL BIOPHYS
TECH(10504); EXTERN EFF-PRESSURE(*10606); EXTERN EFF-HOT(*106-
18); REPRODUCT SYST-GENL STUDS,METH(16501); TEMPERATURE-HYPO-
: HYPERTHERMIA(*23006); TEMPERATURE-THERMOPATHOLOGY(*23007);
DEVELOPMNTL BIOL-PATHOLOGICAL(*25503); DEVELOPMNTL BIOL-EXPER-
IMENTAL(*25504)
Biosystematic Codes: CAUDATA(85304)

73073068
THE ABILITY OF LOCALIZED IMPLANTS OF WHOLE OR MINCED DERMIS
TO DISRUPT PATTERN FORMATION IN THE REGENERATING FORE LIMB OF
THE AXOLOTL AMBYSTOMA-MEXICANUM.
TANK P W
DEP. ANATOMY, UNIV. ARKANSAS MED. SCI., LITTLE ROCK,
ARKANSAS 72205.
AM J ANAT 162 (4). 1981 (RECD. 1982). 315-326. Coden:
AJANA
Language: ENGLISH
Descriptors: VIABLE CELL AMPUTATION FREEZING X IRRADIATION
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); RADIATION
BIOL-RADTN,ISOTOP TECH(06504); BIOPHYS-GENERAL BIOPHYS
TECH(10504); EXTERN EFF-PRESSURE(*10606); EXTERN EFF-HOT(*106-
18); REPRODUCT SYST-GENL STUDS,METH(16501); TEMPERATURE-HYPO-
: HYPERTHERMIA(*23006); TEMPERATURE-THERMOPATHOLOGY(*23007);
DEVELOPMNTL BIOL-PATHOLOGICAL(*25503); DEVELOPMNTL BIOL-EXPER-
IMENTAL(*25504)
Biosystematic Codes: CAUDATA(85304)

73054068

REGULATION OF ANTIBODY SYNTHESIS IN THE X IRRADIATED MEXICAN AXOLOTL.

CHARLEMAGNE J
LABORATOIRE D'IMMUNOLOGIE COMPAREE, UNIVERSITE PIERRE ET MARIE CURIE, 9 QUAI ST. BERNARD, F-75005 PARIS, FRANCE.
EUR J IMMUNOL 11 (9). 1981. 717-721. Coden: EJIMA

Language: ENGLISH

Descriptors: HORSE RED BLOOD CELLS THYMUS T CELL
HYDROCORTISONE IMMUNOLOGIC-DRUG

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(O2506); RADIATION BIOL-RADTN,ISOTOP TECH(O6504); RADIATION BIOL-RADTN EFF,PROTECT(*O6506); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM METH-CARBOHYDRATES(10058); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-STEROLS,STERIDS(10067); BIOCHEM STUD-CARBOHYDR.(10068); ANATOMY/HISTOL-SURGERY(11105); METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); BLOOD/BODY FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(*15008); ENDOCRINE SYST-ADRENALS(17004); ENDOCRINE SYST-THYMUS(17016); PHARMACOL-ENDOCRINE SYST(22016); PHARMACOL-IMMUNO PROCES,ALLERGY(22018); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)
Biosystematic Codes: CAUDATA(85304); EQUIDAE(86145)

73053586

ENZYMES INVOLVED IN DNA REPLICATION IN THE AXOLOTL AMBYSTOMA-MEXICANUM 1. ANALYSIS OF THE FORMS AND ACTIVITIES OF DNA POLYMERASE AND DNA LIGASE DURING DEVELOPMENT/h

CARRE D; SIGNORET J; LEFRESNE J; DAVID J C
LAB. BIOL. DEVELOPPEMENT, UNIV. CAEN, ESPLANADE PAIX, 14032 CAEN, FRANCE.

DEV BIOL 87 (1). 1981. 114-125. Coden: DEBIA

Language: ENGLISH

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*O2506); GENETICS/C-YTOGENET-ANIMAL(*O3506); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); REPLICATN,TRANSCRIPT-N,TRANSLATN(*10300); BIOPHYS-MOLECUL PROP,MACROMOLEC(10506); ENZYMES-CHEM,PHYSICAL STUDIES(*10806); ENZYMES-PHYSIOLOGICAL STUDIES(*10808); METABOLISM-NUCL ACD,PURINS,PYRIM(*13014); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

73052277

SURFACE MORPHOLOGIC CHANGES IN AMBYSTOMA-MEXICANUM EMBRYOS 1. 2 CELL STAGE TO INITIAL DORSAL LIP FORMATION.

LEBLANC J; BRICK I
DEP. BIOL. SCI, COLL. STATEN ISLAND, CITY UNIV. N.Y., 715 OCEAN TERRACE, STATEN ISLAND, NEW YORK, N.Y. 10301. USA.

J SUBMICROSC CYTOL 13 (4). 1981. 515-526. Coden: JSMCB

Language: ENGLISH

Descriptors: FURROW FORMATION

Concept Codes: PHOTOGRAPHY-METHS,MATLS,APPARAT(O1012); MICROSCOPY-HISTOL,HISTOCHEM TECH(O1056); ELECTRON MICROSCOPY(O1058); CYTOLOGY/CYTOCHEM-ANIMAL(*O2506); BIOPHYS-MEMBRANE PHENOMENA(10508); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

73051186

PATTERN FORMATION FOLLOWING 180 DEGREE ROTATION OF REGENERATION BLASTEMAS IN THE AXOLOTL AMBYSTOMA-MEXICANUM.

TANK P W
UNIV. ARKANSAS MED. SCI., LITTLE ROCK, ARKANSAS 72205.
J EXP ZOO 217 (3). 1981. 377-388. Coden: JEZOA

Language: ENGLISH

Descriptors: FORE LIMB EPIMORPHIC FIELD SUPERNUMERARY LIMB HANDEDNESS

Concept Codes: ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMIT-IES(*11318); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

73048678

THE SEROTONERGIC SOMATO SENSORY PROJECTION TO THE TECTUM OF NORMAL AND EYELESS SALAMANDERS.

GRUBERG E R; HARRIS W A
RES. LAB. OF ELECTRONICS, MIT, CAMBRIDGE, MASS. 02139.
J MORPHOL 170 (1). 1981. 55-70. Coden: JOMOA

Language: ENGLISH

Descriptors: GENETICS ENUCLEATION TRANSPLANTATION EMBRYONIC MANIPULATION FLUORESCENCE TECTAL NEUROPIIL ELECTRICAL ACTIVITY 5 7 DI HYDROXY TRYPTAMINE UV LIGHT NEURO TRANSMITTER

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*O2506); GENETICS/C-YTOGENET-ANIMAL(*O3506); RADIATION BIOL-RADTN,ISOTOP TECH(O6504); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOPHYS-GENERAL STUDIES(10502); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MEMBRANE PHENOMENA(*10508); EXTERN EFF-LIGHT,DARKNESS(10604); ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); ENDOCRINE SYST-NEUROENDOCRINOLOG(*17020); SENSE ORGANS-ANATOMY(20002); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004); NERVOUS SYST-GENL STUDS,METHS-(*20501); NERVOUS SYST-ANATOMY(20502); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); TOXICOL-GENL/EXP STUDS,METHS(22501); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(25508); DEVELOPMNTL BIOL-DESCRIP TERATOL(*25552); DEVELOPMNTL BIOL-EXPER TERATOL(*25554)

Biosystematic Codes: CAUDATA(85304)

7304987
BEHAVIORAL AND ELECTRO PHYSIOLOGICAL STUDY OF CUTANEOUS TRIGEMINAL NERVES IN AXOLOTLS 2. EFFECTS OF ANASTOMOSIS OF NERVES
GRIERSMITH B T; MARK R F
DEP. BEHAV. BIOL., RES. SCH. BIOL. SCI., AUSTRALIAN NATL. UNIV., CANBERRA, ACT 2600.
DEV BRAIN RES 2 (2). 1981. 287-302. Coden: DBRDD
Language: ENGLISH
Descriptors: HEAD MANDIBULAR OPHTHALMIC MAXILLARY DIVISION
MEDULLA
Concept Codes: BEHAVIOR BIOL-ANIMAL BEHAVIOR(*07003); BIOPHYS-GENERAL BIOPHYS TECH(10504); EXTERN EFF-PHYSICAL,MECH EFFECTS(10612); ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/H-ISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-HEAD(1130-4); INTEGUMENT SYST-GENL STUDS,MEHS(18501); INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504); SENSE ORGANS-PHYSIOL,BIOCHEM(*2-0004); NERVOUS SYST-GENL STUDS,MEHS(20501); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL BIOL-GEN MORPHGENSI-S(*25508)
Biosystematic Codes: CAUDA(85304); BOVIDAE(85715)
SALIENIA(85306); OSTEICHTHYES(85206); CAUDA(85304); IMMUNOL/IMMUNOCHEM-GEN METH(34502)
LOGY-COMPARATIVE(12003); ENDOCRINE SYST-PITUITARY(*17014); HODS(10804); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); PHYSIO-AMINO ACID(10064); BIOCHEM STUD-CARBOHYDR.(10068); ENZYMES-MET-BIOCHEM-GENL STUDIES(*10010); BIOCHEM STUD-PROTEINS,PEPTIDES,-ECOLOG-WATR RESRCH,FISHERY BIOL(07517); COMPARATIVE ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);

73037856
ENZYMES INVOLVED IN DNA REPLICATION IN THE AXOLOTL 2. CONTROL OF DNA LIGASE ACTIVITY DURING VERY EARLY DEVELOPMENT
SIGNORET U; LEFRSNE U; VINSON D; DAVID U C
LAB. BIOL. DEVELOPMENT, UNIV. CAEN, 14032 CAEN CEDEX.
DEV BIOL 87 (1). 1981. 126-132. Coden: DEBIA
Language: ENGLISH
Descriptors: CYCLO HEXIMIDE ACTINOMYCIN D ALPHA AMANTIN METABOLIC-DRUG PROTEIN SYNTHESIS MATERNAL GENOME TRANSCRIPTION Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-YTOGENET-ANIMAL(*03506); RADIATION BIOL-RADTN EFF,PROTECT(065-06); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064); REPLICATN,TRANSCRIPN,TRANSLATN(10300); ENZYMES-P-HYSIOLGICAL STUDIES(*10808); METABOLISM-PROTN,PEPTDS,AM ACS(*13012); METABOLISM-NUCL ACD,PURINS,PYRM(*13014); REPRODUCT SYST-GENL STUDS,MEHS(16501); REPRODUCT SYST-PHYSIO-L,BIOCHEM(*16504); REPRODUCT SYST-PATHOLOGY(16506); PHARMACOL-DRUG METAB,STAB,STIMU(22003); DEVELOPMNTL BIOL-GENL,DESCRIP-TIVE(*25502); DEVELOPMNTL BIOL-EXPERIMENTAL(25504); DEVELOPMN-TL BIOL-GEN MORPHGENSIS(*25508); CHEMOTHERAPY-GEN STUD,MEH,M-ETAB(38502); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOSY/PHARMACEUT BOTANY(54000); PEST CONTRL GENL/PESTICS/HERBICS(54600)
Biosystematic Codes: BASIDIOMYCETES(15300); CAUDA(85304); ABSTRACTS OF MYCOLOGY(95000)

7304987
BEHAVIORAL AND ELECTRO PHYSIOLOGICAL STUDY OF CUTANEOUS TRIGEMINAL NERVES IN AXOLOTLS AMBYSTOMA-MEXICANUM 1. NORMAL INNERVIATION AND RE INNERVATION FOLLOWING NERVE SECTION
GRIERSMITH B T; MARK R F
DEP. BEHAV. BIOL., RES. SCH. BIOL. SCI., AUSTRALIAN NATL. UNIV., CANBERRA ACT 2600.
DEV BRAIN RES 2 (2). 1981. 271-286. Coden: DBRDD
Language: ENGLISH
Descriptors: EYE GILL HEAD LIP
Concept Codes: BEHAVIOR BIOL-ANIMAL BEHAVIOR(*07003); BIOPHYS-GENERAL BIOPHYS TECH(10504); EXTERN EFF-PHYSICAL,MECH EFFECTS(10612); ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/H-ISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-HEAD(1130-4); RESPIRATORY SYST-PHYSIOL,BIOCHEM(16004); INTEGUMENT SYST-GENL STUDS,MEHS(18501); DENTAL/ORAL BIOL-GENL STUD,MEHS(19001); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004); NERVOUS SYST-GENL STUDS,MEHS(20501); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDA(85304)

73038517
COMPARATIVE IMMUNO CYTOCHEMICAL LOCALIZATION OF PROLACTIN AND SOMATOTROPIN IN THE PITUITARIES OF LEPIDOSIREN-PARADOXA RANA-TEMPORARIA AND AMBYSTOMA-MEXICANUM
HANSEN G N; HANSEN B L
INST. COMPARATIVE ANAT., UNIVERSITETSPARKEN 15, DK-2100 COPENHAGEN O, DEN.
CELL TISSUE RES 217 (1). 1981. 127-142. Coden: CTSRC
Language: ENGLISH
Descriptors: OVINE BOVINE ACIDOPHIL
Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);

7304987
BEHAVIORAL AND ELECTRO PHYSIOLOGICAL STUDY OF CUTANEOUS TRIGEMINAL NERVES IN AXOLOTLS 2. EFFECTS OF ANASTOMOSIS OF NERVES
GRIERSMITH B T; MARK R F
DEP. BEHAV. BIOL., RES. SCH. BIOL. SCI., AUSTRALIAN NATL. UNIV., CANBERRA, ACT 2600.
DEV BRAIN RES 2 (2). 1981. 287-302. Coden: DBRDD
Language: ENGLISH
Descriptors: HEAD MANDIBULAR OPHTHALMIC MAXILLARY DIVISION
MEDULLA
Concept Codes: BEHAVIOR BIOL-ANIMAL BEHAVIOR(*07003); BIOPHYS-GENERAL BIOPHYS TECH(10504); EXTERN EFF-PHYSICAL,MECH EFFECTS(10612); ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/H-ISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-HEAD(1130-4); INTEGUMENT SYST-GENL STUDS,MEHS(18501); INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504); SENSE ORGANS-PHYSIOL,BIOCHEM(*2-0004); NERVOUS SYST-GENL STUDS,MEHS(20501); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDA(85304)

73008661

ESTABLISHMENT OF THE SITE OF INVOLUTION AT NOVEL LOCATIONS ON THE AMPHIBIAN EMBRYO

MALACINSKI G M; CHUNG H M
DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA 47405.
J MORPHOL 169 (2). 1981. 149-160. Coden: JOMOA
Language: ENGLISH
Descriptors: RANA-PIPIENS AMBYSTOMA-MEXICANUM XENOPUS-LAEVIS
CYTOPLASM GRAVITY PIGMENTATION CLEAVAGE
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); EXTERN
EFF-ELECTR,MAGNET,GRAVITY(*10610); REPRODUCT SYST-PHYSIOL,BIO-
CHEM(*16504); INTEGUMENT SYST-PHYSIOL,BIOCHEM(18504); DEVELOP-
MNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

23053725

PERMEATION DIFFUSION AND STRUCTURE AND WATER IN LIVING CELLS.

LOVTRUP S; MILD K H
DEP. ZOOPHYSIOL., UNIV. UMEA, S-901 87 UMEA, SWED.
SCHWEIGER, H. G. (ED.). INTERNATIONAL CELL BIOLOGY
1980-1981; 2ND INTERNATIONAL CONGRESS, BERLIN, WEST GERMANY,
AUG. 31-SEPT. 5, 1980. XVIII+1033P. SPRINGER-VERLAG: BERLIN,
WEST GERMANY; NEW YORK, N.Y., USA. ILLUS. ISBN 3-540-10475-5;
ISBN 0-387-10475-5. O (O). 1981. P889-903. Coden: 10720
Language: ENGLISH
Descriptors: CHAOS-CHAOS RANA-PIPIENS RANA-TEMPORARIA
AMBYSTOMA-MEXICANUM CARTESIAN DIVER BALANCE ISOTOPE EXCHANGE
METHOD OOCYTE EGG
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054); CYTOLOGY/CYTOCHEM-AN-
IMAL(*02506); RADIATION BIOL-RADTN,ISOTOP TECH(06504);
ECOLOGY-WATR RESRCH,FISHERY BIOL(07517); BIOCHEM-PHYSIOLOGL
WATER STUD(*10011); BIOCHEM METH-GENERAL(10050); BIOCHEM
STUD-GENERAL(10060); BIOPHYS-GENERAL BIOPHYS TECH(10504);
BIOPHYS-MEMBRANE PHENOMENA(*10508); REPRODUCT SYST-GENL
STUDS,METHS(16501); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504);
INVERTB PHYSIOL-PROTOZOA(*64002)
Biosystematic Codes: SARCODINA(35300); CAUDATA(85304);
SALIENTIA(85306)

23036499

SURFACE MORPHOLOGIC CHANGES IN AMBYSTOMA-MEXICANUM EMBRYOS.

LEBLANC J; BRICK I
NEW YORK UNIV., NY.
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
AMERICAN MICROSCOPICAL SOCIETY, ANIMAL BEHAVIOR SOCIETY,
CRUSTACEAN SOCIETY, SOCIETY OF PROTOZOOLOGISTS AND THE SOCIETY
OF SYSTEMATIC ZOOLOGY, DALLAS, TEX., USA, DEC. 27-30, 1981. AM
ZOOLOG 21 (4). 1981. 966. Coden: AMZOA
Language: ENGLISH
Descriptors: ABSTRACT SCANNING ELECTRON MICROSCOPY CYTOPLASM
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);

ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-GROSS(*11102);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); DEVELOPMNTL BIOL-GE-
NL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*255-
08)

Biosystematic Codes: CAUDATA(85304)

23025293

PIGMENTS AND MUTATIONS AS A MEANS OF EXAMINING THE DEVELOPMENTAL GENETICS OF PIGMENTATION IN AMPHIBIANS.

FROST S K
UNIV. KANS., LAWRENCE.
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
AMERICAN MICROSCOPICAL SOCIETY, ANIMAL BEHAVIOR SOCIETY,
CRUSTACEAN SOCIETY, SOCIETY OF PROTOZOOLOGISTS AND THE SOCIETY
OF SYSTEMATIC ZOOLOGY, DALLAS, TEX., USA, DEC. 27-30, 1981. AM
ZOOLOG 21 (4). 1981. 978. Coden: AMZOA
Language: ENGLISH
Descriptors: ABSTRACT AMBYSTOMA-MEXICANUM MEXICAN AXOLOTL
FIRE-BELLIED TOAD BOMBINA-ORIENTALIS ORGANELLE FORMATION
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
GENETICS/CYTOGENET-ANIMAL(*03506);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); INTEGUMENT SYST-PHY-
SIOL,BIOCHEM(*18504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

23024431

THE MOVEMENT OF THE PROSPECTIVE EYE CUP FROM THE NEURAL PLATE INTO THE NEURAL FOLD IN AMBYSTOMA-MEXICANUM.

BRUN R B
TEXAS CHRISTIAN UNIV. FORTH WORTH, TEXAS.
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
AMERICAN MICROSCOPICAL SOCIETY, ANIMAL BEHAVIOR SOCIETY,
CRUSTACEAN SOCIETY, SOCIETY OF PROTOZOOLOGISTS AND THE SOCIETY
OF SYSTEMATIC ZOOLOGY, DALLAS, TEX., USA, DEC. 27-30, 1981. AM
ZOOLOG 21 (4). 1981. 1043. Coden: AMZOA
Language: ENGLISH
Descriptors: ABSTRACT ALBINO AND WILD TYPE GRAFT
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); SENSE ORGANS-PHYSIOL-
.BIOCHEM(*20004); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504);
DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL
BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

23017640 MORPHALLAXIS IN AN EPIMORPHIC SYSTEM SIZE GROWTH CONTROL AND PATTERN FORMATION DURING AMPHIBIAN LIMB REGENERATION.

DEV. BIOL. DIV., NATL. INST. MED. RES., RIDGEMAY, MILL HILL, LONDON NW7 1AA, UK.

GAZE, R. M. ET AL. (ED.). JOURNAL OF EMBRYOLOGY AND EXPERIMENTAL MORPHOLOGY, VOL. 65 (SUPPL.), GROWTH AND THE DEVELOPMENT OF PATTERN; MEETING, SUSSEX, ENGLAND, JUNE 26-29, 1981. III+325P. CAMBRIDGE UNIVERSITY PRESS: CAMBRIDGE, ENGLAND; NEW YORK, N.Y., USA. ILLUS. ISBN 0-521-24557-5. (0). 1981. P151-168. Coden: JEEMA

Language: ENGLISH

Descriptors: PLEURODELES-WALLLII AMBYSTOMA-MEXICANUM LIMB REGENERATION

Concept Codes: ECOLOGY-WATR RESRCH,FISHERY BIOL(07517); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMITIES(*11318); PHYSIOLOGY-COMPARATIVE(*12003); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biostematic Codes: CAUDATA(85304)

23017638 DISTAL TRANSFORMATION IN REGENERATING DOUBLE ANTERIOR AXOLOTL AMBYSTOMA-MEXICANUM LIMBS.

GOODWIN AVE., URBANA, ILL. 61801, USA.

GAZE, R. M. ET AL. (ED.). JOURNAL OF EMBRYOLOGY AND EXPERIMENTAL MORPHOLOGY, VOL. 65 (SUPPL.), GROWTH AND THE DEVELOPMENT OF PATTERN; MEETING, SUSSEX, ENGLAND, JUNE 26-29, 1981. III+325P. CAMBRIDGE UNIVERSITY PRESS: CAMBRIDGE, ENGLAND; NEW YORK, N.Y., USA. ILLUS. ISBN 0-521-24557-5. (0). 1981. P3-18. Coden: JEEMA

Language: ENGLISH

Descriptors: INTERCARY REGENERATION TERMINAL REGENERATION CELL INTERACTION AMPUTATION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-WATR RESRCH,FISHERY BIOL(07517); ANATOMY/HISTOL-EXPERIMENTAL(11-104); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMITIES(*11318); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biostematic Codes: CAUDATA(85304)

23011804 VITAMIN A AND PATTERN FORMATION IN THE REGENERATING LIMB.

MADEN M

DIV. DEV. BIOL., NATL. INST. MED. RES., MILL HILL, LONDON NW7 1AA, UK.

NATURE (LOND) 295 (5851). 1982. 672-675. Coden: NATUA

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM POSITIONAL INFORMATION CELLULAR COMMUNICATION RETINIODS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM STUD-VITAMINS(*10063); BIOCHEM STUD-LIPIDS(*10066); BIOPHYS-8-8

10CYBERNETICS(10515); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMITIES(11318); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biostematic Codes: CAUDATA(85304)

23010227

CORTICO STEROID ACTION ON LYMPHOCTE SUB POPULATIONS AND HUMORAL IMMUNE RESPONSE OF AXOLOTL URODELE AMPHIBIAN.

TOURNEFIER A

UNIV. PIERRE, PARIS, FRANCE. 7505.

66TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LA, USA, APRIL 15-23, 1982. FED PROC 41 (3). 1982. ABSTRACT 1983. Coden: FEPPA

Language: ENGLISH

Descriptors: ABSTRACT HORSE ERYTHROCYTE THYMOCYTE SPLEEN SUPPRESSOR T CELL HYDROCORTISONE HORMONE DRUG IMMUNOLOGIC DRUG ALLO GRAFT IMMUNE RESPONSE

Concept Codes: GENL BIOL-SYMPOSA,PROCDNGS,REWV(00520); CYTOLOGY/CYTOCHEM-ANIMAL(02506); GENETICS/CYTOGENET-ANIMAL(03506); BIOCHEM STUD-STEROLS,STEROI-DS(10067); ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); BLOOD/BODY STUDS(*15004); BLOOD/BODY CELL

STUDS(*15004); BLOOD/BODY FLD5-BLD,LYM,RES PATH(*15006); BLOOD/BODY FLD5-LYMPHAT TISS,RES(*15008); ENDOCRINE SYST-ADRENALS(17004); ENDOCRINE SYST-THYMUS(17016); PHARMACOL-SYST-ADRENALS(17004); PHARMACOL-ENDOCRINE SYST(*22016); BLOOD-HEMATO AGENTS(*22008); PHARMACOL-ENDOCRINE SYST(*22016); PHARMACOL-IMMUNO PROCES,ALLERGY(*22018); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)

Biostematic Codes: CAUDATA(85304); EQUIDAE(86145)

23001431

**JOURNAL OF EMBRYOLOGY AND EXPERIMENTAL MORPHOLOGY VOL. 65
GROWTH AND THE DEVELOPMENT OF PATTERN MEETING SUSSEX ENGLAND
UK JUNE 26-29 1981.**

GAZE R M; ET AL
GAZE, R. M. ET AL. (ED.). JOURNAL OF EMBRYOLOGY AND
EXPERIMENTAL MORPHOLOGY, VOL. 65 (SUPPL.). GROWTH AND THE
DEVELOPMENT OF PATTERN; MEETING, SUSSEX, ENGLAND, JUNE 26-29,
1981. III+325P. CAMBRIDGE UNIVERSITY PRESS: CAMBRIDGE,
ENGLAND; NEW YORK, N.Y., USA. ILLUS. ISBN 0-521-24557-5. 0
(O). 1981. III+325P. Coden: JEEMA

Language: ENGLISH

Descriptors: BOOK AXOLOTL MOUSE DROSOPHILA INSECT LIMB
TRANSFORMATION WING REGENERATION SOMITOGENESIS MORPHOGENETIC
BEHAVIOR NEURON DEVELOPMENT

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-ANIMAL(O2506); BEHAVIOR BIOL-ANIMAL BEHAVIO-
R(O7003); ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); CHORDATE
BODY REGNS-EXTREMITIES(11318); NERVOUS SYST-PHYSIOL.BIOCHEM(2-
O504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508); INVERTB
PHYSIOL-INSECTA-PHYSIOL(*64076); INVERTB BODY-APPENDAGES(6421-
2)

Biosystematic Codes: INSECTA-UNSPECIFIED(75300); DIPTERA(75-
314); CAUDATA(85304); MURIDAE(86375)

22064251

**AXIAL DETERMINATION OF URODELE LIMB REGENERATION BLASTEMAS.
STOCUM D L**

UNIV. OF ILLINOIS, URBANA.
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
AMERICAN MICROSCOPICAL SOCIETY, ANIMAL BEHAVIOR SOCIETY,
CRUSTACEAN SOCIETY, SOCIETY OF PROTOZOOLOGISTS AND THE SOCIETY
OF SYSTEMATIC ZOOLOGY, DALLAS, TEX., USA, DEC. 27-30, 1981. AM
ZOOLOG 21 (4). 1981. 999. Coden: AMZOA

Language: ENGLISH

Descriptors: ABSTRACT AMBYSTOMA-MACULATUM AMBYSTOMA-MEXICAN-
UM GRAFTING

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY
REGNS-EXTREMITIES(*11318); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*-
25508)

Biosystematic Codes: CAUDATA(85304)

22064249

**SIMILAR MECHANISMS FOR PATTERN REGULATION IN LIMB
DEVELOPMENT AND REGENERATION.**

MUNEOKA K; BRYANT S V
DEVELOPMENTAL BIOL. CENTER, AND DEP. OF DEVELOPMENTAL AND
CELL BIOL., UNIV. OF CALIFORNIA, IRVINE, CA.
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
AMERICAN MICROSCOPICAL SOCIETY, ANIMAL BEHAVIOR SOCIETY,
CRUSTACEAN SOCIETY, SOCIETY OF PROTOZOOLOGISTS AND THE SOCIETY
OF SYSTEMATIC ZOOLOGY, DALLAS, TEX., USA, DEC. 27-30, 1981. AM
ZOOLOG 21 (4). 1981. 999. Coden: AMZOA

Language: ENGLISH

Descriptors: ABSTRACT AXOLOTL HIND LIMB BUD FORE LIMB
BLASTEMA SUPERNUMERARY OUTGROWTH GRAFTING

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
ECOLOGY-WATR RESRCH.FISHERY BIOL(O7517); BIOPHYS-BIOCYBERNETI-
CS(10515); ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/HISTOL-
-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMITIES(*1-
1318); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL
BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

22057880

RESPONSIVITY OF THE AMPHIBIAN IRIS TO LIGHT.

BARR L; LAVERACK E
DEP. PHYSIOL. BIOPHYSICS, UNIV. ILL., URBANA, ILL.
35TH ANNUAL MEETING OF THE SOCIETY OF GENERAL PHYSIOLOGISTS,
WOODS HOLE, MASS., USA, SEPT. 10-13, 1981. J GEN PHYSIOL 78
(6). 1981 (RECD. 1982). 12A. Coden: JGPLA

Language: ENGLISH

Descriptors: ABSTRACT FROG ALBINO AXOLOTL PUPIL SPHINCTER
MYOCYTE RHOD OPSIN MELANIN PHOTO SENSITIVITY

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-ANIMAL(*O2506);
GENETICS/CYTOGENET-ANIMAL(O3506); RADIATION BIOL-RADTN
EFF,PROTECT(O6506); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
ACD(*10064); BIOCHEM STUD-LIPIDS(*10066); EXTERN EFF-LIGHT,DA-
RKNESS(*10604); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012);
METABOLISM-METABOLIC DISORDERS(*13020); MUSCLE SYST-PHYSIOL,B-
IOCHEM(*17504); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004); DEVELOP-
MNTL BIOL-PATHOLOGICAL(*25503); DEVELOPMNTL BIOL-EXPERIMENTAL-
(*25504)

Biosystematic Codes: AMPHIBIA-UNSPECIFIED(85300); CAUDATA(8-
5304); SALIENTIA(85306)

(00): CAUDATA(85304)

22018559
 INTERCALARY REGENERATION OF SYMMETRICAL THIGHS INDUCED BY
 SYMMETRICAL WRIST BLASTEMAS
 STOCUM D L
 UNIV. ILLINOIS, URBANA.

ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
 AMERICAN MICROSCOPICAL SOCIETY, AMERICAN SOCIETY OF
 AND OCEANOGRAPHY, ANIMAL BEHAVIOR SOCIETY, CANADIAN SOCIETY OF
 ZOOLOGISTS, ECOLOGICAL SOCIETY OF AMERICA, SOCIETY OF
 SYSTEMATIC ZOOLOGY, AND THE WESTERN SOCIETY OF NATURALISTS,
 SEATTLE, WASH, USA, DEC. 27-30, 1980. AM ZOO 20 (4), 1980
 (RECD. 1981). 804. Coden: AMZ04

Concept Codes: GENL BIOL-SYMPOSA.PROCDNGS.REVW(00520);
 ECOLOGY-WATR RESRCH.FISHERY BIOL(07517); ANATOMY/HISTOL-EXPER-
 IMENTAL(11104); ANATOMY/HISTOL-REGEN.TRANSPLANT(*11107); CHOR-
 DATE BODY REGNS-EXTREMITIES(11318); BONE.JNTS.FASC.CONN/ADIP-
 PHY.BCH(*18004); DEVELOPMNTL BIOL-GENL.DESCRPTIVE(25502);
 DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN
 MORPHGENSIS(*25508)
 Biosystematic Codes: CAUDATA(85304)

22001106
 EVOLUTION OF THE SALAMANDER FAMILY AMBYSTOMATIDAE AN
 ELECTROPHORETIC ANALYSIS OF THE MEXICAN AMBYSTOMATIDS
 SHAFER H B
 COMMITTEE EVOL. BIOL. UNIV. CHIC. 1103 EAST 57TH ST.,
 CHICAGO, ILL. 60637, USA.
 THE UNIVERSITY OF BRITISH COLUMBIA. SECOND INTERNATIONAL
 CONGRESS OF SYSTEMATIC AND EVOLUTIONARY BIOLOGY, VANCOUVER,
 B.C., CANADA, JULY 17-24, 1980. 1+441P. UNIVERSITY OF BRITISH
 COLUMBIA; VANCOUVER, B.C., CANADA. PAPER. O (0). 1980.
 P343. Coden: 09823
 Language: ENGLISH
 Descriptors: ABSTRACT AMBYSTOMA-MEXICANUM AMBYSTOMA-ROSACEUM
 GENETICS SYSTEMICS PEDOMORPHIC CONVERGENCE MORPHOLOGY
 Concept Codes: GENL BIOL-TAXONOMY.NOMENCLATUR(00504); GENL
 BIOL-SYMPOSA.PROCDNGS.REVW(00520); EVOLUTION(*01500); ECOLOG-
 Y-ANIMAL(07508); ECOLOGY-WATR RESRCH.FISHERY BIOL(07517);
 COMPARATIVE BIOCHEM-GENL STUDIES(*10010); BIOCHEM STUD-GENERA-
 L(*10060); BIOPHYS-GENERAL BIOPHYS TECH(10504); ANATOMY/HISTO-
 L-COMPARATIVE(*11103); MOVEMENT(12100); REPRODUCT SYST-PHYSIO-
 L.BIOCHEM(16504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(25508);
 CHORDATE TAXONOMY-AMPHIBIA(*62514)
 Biosystematic Codes: CAUDATA(85304)

22052776
 SODIUM ENTRY STEP IN TRANSPORTING EPITHELIA RESULTS OF
 LIGAND BINDING STUDIES.
 CUTBERT A W
 DEP. PHARMACOL., UNIV. CAMBRIDGE, CAMBRIDGE, CB2 20D, UK.
 SCHULTZ, S. G. (ED.). SOCIETY OF GENERAL PHYSIOLOGISTS
 SERIES, VOL. 36. ION TRANSPORT BY EPITHELIA. XVII+270P. RAVEN
 PRESS: NEW YORK, N.Y., USA. ILLUS. ISBN 0-89004-610-7. O
 (0). 1981. P181-196. Coden: SGPHA

Descriptores: REVIEW AMBYSTOMA-MEXICANUM RANA-TEMPORARIA SKIN
 HEN EGG CHORIO ALLANTOIC MEMBRANE TOAD BLADDER BENZAMIL
 TRIAMTERENE FURANTERENE AMILORIDE PHARMACODYNAMICS ALDO
 STERONE ANTI DIURETIC HORMONE HORMONE-DRUG
 Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM
 STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS.PEPTIDES.AMINO
 ACD(10064); BIOCHEM STUD-STEROLS.STEROIDS(10067); MINERALS(10-
 069); BIOPHYS-MEMBRANE PHENOMENA(*10508); MOVEMENT(12100);
 MINERALS(*13010); URIN SYST/EXT SECR-PHYSL.BIOCHEM(*15504);
 ENDOCRINE SYST-ADRENALS(*17004); ENDOCRINE SYST-PITUITARY(*17-
 014); ENDOCRINE SYST-NEUROENDOCRINOLOG(17020); INTEGUMENT
 SYST-PHYSIOL.BIOCHEM(*18504); PHARMACOL-DRUG METAB.METAB
 STIMU(*22003); PHARMACOL-ENDOCRINE SYST(22016); DEVELOPMNTL
 BIOL-EXPERIMENTAL(*25504)
 Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306);
 GALLIFORMES(85536)

2205315
 THE LOCKED CELL HYPOTHESIS THE ORIGIN OF MITOCHONDRIA AND
 TRANSITION FROM PROKARYOTIC TO EUKARYOTIC CELLS
 KEYHANI E
 JOHNSON RES. FOUNDATION 64, UNIV. PA. SCH. MED.,
 PHILADELPHIA, PA. 19104.
 FREDRICK, J. F. (ED.). ANNALS OF THE NEW YORK ACADEMY OF
 SCIENCES, VOL. 361. ORIGINS AND EVOLUTION OF EUKARYOTIC
 INTRACELLULAR ORGANELLES; CONFERENCE, NEW YORK, N.Y., USA,
 JAN. 22-24, 1980. X+512P. NEW YORK ACADEMY OF SCIENCES: NEW
 YORK, N.Y., USA. ILLUS. PAPER. ISBN 0-89766-112-5(PAPER); ISBN
 0-89766-111-7(CLOTH). O (0). 1981. P376-396. Coden: ANYAA
 Language: ENGLISH
 Descriptors: CANDIDA-UTILIS AMBYSTOMA-MEXICANUM BACILLUS-SU-
 BITIS EVOLUTION DNA RNA ENDO SYMBIOSIS THEORY ULTRASTRUCTURE
 MODEL
 Concept Codes: GENL BIOL-PHILOSOPHY(00502); GENL
 BIOL-SYMPOSA.PROCDNGS.REVW(00520); EVOLUTION(*01500); CYTOLO-
 GY/CYTOCHEM-GENL STUDIES(*02502); CYTOLOGY/CYTOCHEM-PLANT(*02-
 504); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); MATHEMATIC BIOL/STATI-
 STIC METH(04500); ECOLOGY-GENL STUDIES.METHODS(*07502);
 BIOCHEM STUD-NUCL ACD.PURNS.PYRM(10062); BIOPHYS-MOLECUL
 PROP.MACROMOLEC(10506); BIOPHYS-MEMBRANE PHENOMENA(*10508);
 BIOPHYS-BIOCYBERNETICS(10515);
 ANATOMY/HISTOL-MICRO.ULTRAMICRSC(*11108);
 METABOLISM-ENERGY.RESPIRATION(13003);
 BACTERIA-PHYSIOLOGY.BIOCHEMISTRY(31000); MICROBIOLOGICAL ULTR-
 STRUCTURE(32300)
 Biosystematic Codes: BACILLACEAE(05610); DEUTEROMYCETES(155-

72065166

EFFECTS OF CONCAVALIN A ON NEURAL INDUCTION IN THE YOUNG GASTRULA OF AXOLOTL AMBYSTOMA-MEXICANUM AND PLEURODELE PLEURODELES-WALTLII

SADOUGH M
DEPARTEMENT DE BIOLOGIE, FACULTE DES SCIENCES, UNIVERSITE D'ISPAHAN, ISPAHAN IRAN
ACTA MORPHOL NEERL-SCAND 19 (2). 1981. 127-134. Coden: AMNSA

Language: FRENCH
Descriptors: HISTOLOGICAL DIFFERENTIATION
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(O1056); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-ANATOMY(*20502); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); PHARMACOL-NEUROPHARMACOLOGY(*22024); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508); TISS CULTURE-APPARAT,METHS,MEDIA(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOSY/PHARMACEUT BOTANY(54000)
Biosystematic Codes: LEGUMINOSAE(26260); CAUDATA(85304)

72063940

CHARACTER OF MITOTIC CYCLES OF THE BLASTEMA CELLS DURING FORE LIMB REGENERATION IN THE AXOLOTL AMBYSTOMA-MEXICANUM

TUCHKOVA S YA
INST. DEV. BIOL., ACAD. SCI. USSR, MOSCOW, USSR.
ONTOGENEZ 11 (4). 1980. 430-435. Coden: ONGZA
Language: RUSSIAN

Descriptors: AMPHIBIAN EMBRYONIC TISSUE
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-LIMNOLOGY(07514); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMITIES(*11318); PHYSIOLOGY-COMPARATIVE(1-2003); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: AMPHIBIA-UNSPECIFIED(85300); CAUDATA(85304)

72060918

IDENTIFICATION AND MORPHOMETRIC EVALUATION OF THE SYNAPSES OF OPTIC NERVE AFFERENTS IN THE OPTIC TECTUM OF THE AXOLOTL AMBYSTOMA-MEXICANUM

INGHAM C A; GUELDNER F-H
DEP. OF BEHAVIOURAL BIOL., RES. SCH. OF BIOL. SCI., THE AUSTRALIAN NATIONAL UNIV., CANBERRA, A.C.T. 2601, AUSTRALIA.
CELL TISSUE RES 214 (3). 1981. 593-612. Coden: CTSRC
Language: ENGLISH

Descriptors: VERTEBRATE RETINA HORSERADISH PEROXIDASE
Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(O1054); MICROSCOPY-HISTOL,HISTOCHEM TECH(O1056); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-PORPHYRNS,BILE PIGM(10065); ENZYMES-METHODS(1080-

4); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); SENSE ORGANS-GENL STUDS,METHS(20001); SENSE ORGANS-ANATOMY(*20002); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-ANATOMY(*20502); PLANT PHYSIOL-ENZYMES(51518)

Biosystematic Codes: CRUCIFERAE(25880); VERTEBRATA-UNSPECIFIED(85150); CAUDATA(85304)

72044030

AMPHIBIAN PRONEPHRIC DUCT MORPHOGENESIS SEGREGATION CELL REARRANGEMENT AND DIRECTED MIGRATION OF THE AMBYSTOMA DUCT RUDIMENT/

POOLE T J; STEINBERG M S
DEP. BIOL., PRINCETON UNIV., PRINCETON, N.J. 08544.
J EMBRYOL EXP MORPHOL 63 (O). 1981. NO PAGINATION.

Coden: JEEMA
Language: ENGLISH
Concept Codes: ELECTRON MICROSCOPY(O1058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); MOVEMENT(12100); URIN SYST/EXT SECR-GEN STUD,METH(15501); URIN SYST/EXT SECR-ANATOMY(*15502); URIN SYST/EXT SECR-PHYSL,BIOCHEM(*15504); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

72036839
VITELLOGENIN SYNTHESIS AND CHARACTERIZATION OF THE LIVER
ESTROGEN RECEPTOR IN THE NEOTENOUS
AMBYSTOMA-MEXICANUM
MAY F E B; WESTLEY B R; KNOWLAND U
ZOO. INST., UNIV. BERN, SAHLSTRASSE 8, CH-3012,
SWITZERLAND.
DEV BIOL 82 (2). 1981. 350-357. Coden: DEBIA
Language: ENGLISH
Descriptors: XENOPUS-LAEVIS ESTRADIOL HORMONE-DRUG
METABOLIC-DRUG GASTROINTESTINAL-DRUG NUCLEAR BINDING SITE SEX
DIFFERENCE
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-
YTOGENET-SEX DIFFERENC(03510); COMPARATIVE BIOCHEM-GENL
STUDIES(10010); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM
STUD-STEROLS,STEROIDS(10067); BIOCHEM STUD-CARBOHYDR.(10068);
BIOPHYS-GENLAL BIOPHYS TECH(10504);
PROP,MACROMOLEC(10506); EXTERN EFF-COLD(10616); MOVEMENT(1210-
O); METABOLISM-STEROLS,STEROIDS(*13008); METABOLISM-PROTNS,PE-
PTDS,AM ACDS(*13012); DIGESTIVE SYST-GENL STUDS,METHS(14001);
DIGESTIVE SYST-PHYSIOL,BIOCHEM(*14004); REPRODUCT SYST-PHYSIO-
L,BIOCHEM(*16504); ENDOCRINE SYST-GONADS,PLACENTA(*17006);
PHARMACOL-DRUG METAB,METAB STIMU(22003); PHARMACOL-DIGESTIVE
SYST(22014); PHARMACOL-ENDOCRINE SYST(22016); TEMPERATURE-CRY-
OBIOLOGY(23004); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502);
DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(*25508); IMMUNOL/IMMUNOCHEM-GEN METH(34502)
Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

71079405
2 ACTIN VARIANTS IN DEVELOPING AXOLOTL AMBYSTOMA-MEXICANUM
HEART
WOODRHOFF M N; LEMANSKI L F
DEP. ANAT., UNIV. WIS., MADISON, WIS. 53706.
DEV BIOL 82 (1). 1981. 172-179. Coden: DEBIA
Language: ENGLISH
Descriptors: MYOCYTE FILAMENT ALPHA ACTIN BETA ACTIN
Concept Codes: ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHE-
M-ANIMAL(*02506); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOPHYS-GENE-
RAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP,MACROMOLEC(1050-
6); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); MOVEMENT(12100);
METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); CARDIOVASC SYST-GENL
STUDS,METHS(14501); CARDIOVASC SYST-ANATOMY(*14502); CARDIOVA-
SC SYST-PHYSIOL,BIOCHEM(*14504); MUSCLE SYST-PHYSIOL,BIOCHEM-
TL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

72036826
A COMPARATIVE STUDY OF THE EFFECTS OF EGG ROTATION GRAVITY
ORIENTATION AND UV IRRADIATION ON ANURAN VS. URDELE AMPHIBIAN
EGGS
CHUNG H-M; MALACINSKI G M
DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA 47401, USA.
DIFFERENTIATION 18 (3). 1981. 185-190. Coden: DFNNA
Language: ENGLISH
Descriptors: AMBYSTOMA-MEXICANUM PLEURODELES-WALLII
XENOPUS-LAEVIS RANA-PIPIENS RANA-TEMPORARIA DEVELOPMENTAL
ABNORMALITY
Concept Codes: RADIATION BIOL-RADTN EFF,PROTECT(*06506);
EXTERN EFF-ELECTR,MAGNET,GRAVITY(*10610); DEVELOPMNTL BIOL-PA-
THOLOGICAL(*25503); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504);
DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

71079264
GAP JUNCTIONAL CONDUCTANCE IS A SIMPLE AND SENSITIVE
FUNCTION OF INTRA CELLULAR PH
SPRAY D C; HARRIS A L; BENNETT M V L
DIV. OF CELLULAR NEUROBIOL., DEP. OF NEUROSCI., ALBERT
EINSTEIN COLL. OF MED., BRONX, NY 10461.
SCIENCE (WASH D C) 211 (4483). 1981. 712-715. Coden:
SCIEA
Language: ENGLISH
Descriptors: AMBYSTOMA-MEXICANUM FUNDULUS-HETEROCITUS HILL
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-WA-
TR RESRCH,FISHERY BIOL(07517); BIOCHEM METH-GENERAL(10050);
TECH(10504); BIOPHYS-MOLECUL PROP,MACROMOLEC(*10506); METABOL-
ISM-GENL STUD,METAB PATHW(*13002); DEVELOPMNTL BIOL-GENL,DESC-
RIPTIVE(*25502)
Biosystematic Codes: OSTEICHTHYES(85206); CAUDATA(85304)

72001420
KINETIC PROPERTIES OF A VOLTAGE DEPENDENT JUNCTIONAL
CONDUCTANCE
HARRIS A L; SPRAY D C; BENNETT M V L
DIVISION OF CELLULAR NEUROBIOLOGY, DEPARTMENT OF
NEUROSCIENCE, ROSE F. KENNEDY CENTER FOR RESEARCH IN MENTAL

71072243

EQUILIBRIUM PROPERTIES OF A VOLTAGE DEPENDENT JUNCTIONAL CONDUCTANCE

SPRAY D C; HARRIS A L; BENNETT M V L
DIVISION OF CELLULAR NEUROBIOLOGY, DEPARTMENT OF
NEUROSCIENCE, ROSE F. KENNEDY CENTER FOR RESEARCH IN MENTAL
RETARDATION AND HUMAN DEVELOPMENT, ALBERT EINSTEIN COLLEGE OF
MEDICINE, YESHIVA UNIVERSITY, BRONX, NEW YORK 10461.

J GEN PHYSIOL 77 (1). 1981. 77-94. Coden: JGPLA

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM XENOPUS-LAEVIS RANA-PIPIENS

BLASTOMERE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM
STUD-GENERAL(10060); BIOPHYS-MEMBRANE PHENOMENA(*10508);
MOVEMENT(12100); METABOLISM-GENL STUD,METAB PATHW(13002);
METABOLISM-ENERGY,RESPIRATION(*13003); DEVELOPMNTL BIOL-GENL,
DESCRIPTIVE(*25502)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

71066399

STRUCTURAL DIFFERENTIATION OF THE MEIOTIC AND MITOTIC CHROMOSOMES OF THE SALAMANDER AMBYSTOMA-MACRODACTYLUM

KEZER J; LEON P E; SESSIONS S K
DEP. BIOL., UNIV. OREG., EUGENE, OREG. 97403, USA.
CHROMOSOMA (BERL) 81 (2). 1980 (RECD. 1981). 177-198.

Coden: CHROA

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM C BAND OOCYTE GENOME COLD
INDUCED CONSTRICTION CHIASMA COMPARISON LAMPBRUSH CHROMOSOME

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-
YTOGENET-ANIMAL(*03506); ECOLOGY-WATR RESRCH,FISHERY BIOL(075-
17); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); EXTERN
EFF-COLD(*10616); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108);
METABOLISM-NUCL ACD,PURINS,PYRIM(13014); REPRODUCT SYST-GENL
STUDS,METHS(16501); TEMPERATURE-GENL,METHS(23001); TEMPERATUR-
E-HYPO,HYPERTHERMIA(*23006); DEVELOPMNTL BIOL-GENL,DESCRIPTIV-
E(25502); CHORDATE TAXONOMY-AMPHIBIA(*62514)

Biosystematic Codes: CAUDATA(85304)

71062983

UNCOUPLING OF OOCYTE FOLLICLE CELLS TRIGGERS RE INITIATION OF MEIOSIS IN AMPHIBIAN OOCYTES

VILAIN J-P; MOREAU M; GUERRIER P
UNIV. LILLE 1, B.P. 36 VILLENEUVE D'ASCQ, FR.
DEV GROWTH DIFFER 22 (4). 1980 (RECD. 1981). 687-692.

Coden: DG DFA

Language: ENGLISH

Descriptors: XENOPUS-LAEVIS PLEURODELES-WALTLII AMBYSTOMA-M-
EXICANUM MAMMALIAN COMPARISON PROGESTERONE ENZYMATIC DE
FOLLICULATION MECHANICAL MANUAL MEMBRANE RESISTANCE TIME
CONSTANTS ELECTRICAL POLARIZED COUPLING

Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506); MATHEMATIC BIOL/STATISTIC
METH(04500); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM

STUD-STEROLS,STEROIDS(10067); EXTERN EFF-PHYSICAL,MECH
EFFECTS(10612); ENZYMES-METHODS(10804); REPRODUCT SYST-PHYSIO-
L,BIOCHEM(*16504); ENDOCRINE SYST-GONADS,PLACENTA(*17006);
DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508); IN VITRO
STUDS-CELLULR,SUBCELL(32600)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306);
MAMMALIA-UNSPECIFIED AND EXTINCT(85700)

71061321

SUPPRESSION OF SPROUTED SYNAPSES IN AXOLOTL AMBYSTOMA-MEXICANUM MUSCLE BY TRANSPLANTED FOREIGN NERVES

WIGSTON D J
DEP. OF PHYSIOL. AND BIOPHYSICS, WASHINGTON UNIV. SCH. OF
MED., 660 SOUTH EUCLID AVE., ST. LOUIS, MISSOURI 63110, USA.
J PHYSIOL (LOND) 307 (O). 1980. 355-366. Coden: JPHYA

Language: ENGLISH

Descriptors: SUPRACORACOIDEUS MUSCLE SUPRACORACOIDEUS NERVE
REGENERATION NEURON

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOPHYS-GEN-
ERAL BIOPHYS TECH(10504); BIOPHYS-MEMBRANE PHENOMENA(10508);
ANATOMY/HISTOL-EXPERIMENTAL(11104);

ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY
REGNS-SHOULDER(11309); MUSCLE SYST-GENL STUDS,METHS(17501);
MUSCLE SYST-PHYSIOL,BIOCHEM(*17504); NERVOUS SYST-GENL
STUDS,METHS(20501); NERVOUS SYST-ANATOMY(*20502); NERVOUS
SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL BIOL-GEN MORPHGENSI-
S(*25508)

Biosystematic Codes: CAUDATA(85304)

71058151

CELL COMMITMENT AND GENE EXPRESSION IN THE AXOLOTL EMBRYO

MOHUN T J; TILLY R; MOHUN R; SLACK J M W
IMPERIAL CANCER RES. FUND. MILL HILL LAB., BURTONHOLE LANE,
LONDON NW7 1AD, ENGL.

CELL 22 (1 PART 1). 1980. 9-15. Coden: CELLB

Language: ENGLISH

Descriptors: SOMITIC MESODERM MYOTOMAL MUSCLE SARCOMERE
ALPHA ACTIN

Concept Codes: MICROSCOPY-GENL,SPECL TECHNIQUES(01052);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
GENETICS/CYTOGENET-ANIMAL(*03506); BIOCHEM STUD-PROTEINS,PEPT-
IDES,AMINO ACD(10064); MINERALS(10069); ANATOMY/HISTOL-MICRO,-
ULTRAMICRSC(11108); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012);
MUSCLE SYST-GENL STUDS,METHS(17501); MUSCLE SYST-ANATOMY(*175-
02); MUSCLE SYST-PHYSIOL,BIOCHEM(*17504); DEVELOPMNTL
BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENS-
IS(*25508); TISS CULTURE-APPARAT,METHS,MEDIA(32500)

Biosystematic Codes: CAUDATA(85304)

71047232

REGIONS OF THE BRAIN INFLUENCING THE PROJECTION OF DEVELOPING OPTIC TRACTS IN THE SALAMANDER

HARRIS W A
DEP. NEUROBIOL., HARVARD MED. SCH., BOSTON, MASS. 02115.
J COMP NEUROL 194 (2). 1980. 319-334. Coden: JCNFA

Language: ENGLISH

Descriptors: TARIQCHA-TOROSA AMBYSTOMA-MEXICANUM CALIFORNIA

NEWT MEXICAN AXOLOTL THALAMUS OPTIC TECTUM SPINAL CORD

Concept Codes: BEHAVIOR BIOL-ANIMAL BEHAVIOR(*07003);

ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); SENSE ORGANS-GENL

STUDS,METHS(20001); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004);

NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-PHYSIOL,BI-

OCHEM(*20504); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOP-

MNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

71047232

THE EFFECTS OF ELIMINATING IMPULSE ACTIVITY ON THE DEVELOPMENT OF THE RETINO TECTAL PROJECTION IN SALAMANDERS

HARRIS W A
DEP. NEUROBIOL., HARVARD MED. SCH., BOSTON, MASS. 02115.
J COMP NEUROL 194 (2). 1980. 303-318. Coden: JCNFA

Language: ENGLISH

Descriptors: TARIQCHA-TOROSA AMBYSTOMA-MEXICANUM CALIFORNIA

NEWT MEXICAN AXOLOTL EYE RETINAL GANGLION CELL NEURONAL

SYNAPSE ACTION POTENTIAL TETRODO TOXIN SODIUM CHANNEL

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-WA-

TR RESRCH,FISHERY BIOL(07517); BIOCHEM STUD-GENERAL(10060);

MINERALS(10069); BIOPHYS-GENERAL STUDIES(10502); BIOPHYS-GENE-

RAL BIOPHYS TECH(10504); BIOPHYS-MEMBRANE PHENOMENA(10508);

ANATOMY/HISTOL-EXPERIMENTAL(11104);

ANATOMY/HISTOL-REGEN,TRANSPLANT(11107);

PHYSIOLOGY-COMPARATIVE(12003); SENSE ORGANS-GENL STUDS,METHS(-

20001); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004); SENSE

ORGANS-PATHOLOGY(*20006); NERVOUS SYST-GENL STUDS,METHS(20501)

: NERVOUS SYST-ANATOMY(*20502); NERVOUS SYST-PHYSIOL,BIOCHEM(-

*20504); PHARMACOL-NEUROPHARMACOLOG(22024); TOXICOL-GENL/EXP

STUDS,METHS(*22501); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502)

: DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: OSTEIFICHTHYES(85206); CAUDATA(85304)

71047220

SEGMENTAL INNERVATION OF ROTATED AND SUPERNUMERARY AXOLOTL HIND LIMBS

BENNETT M R; MCGRATH P A
NEUROBIOL. LAB., DEP. PHYSIOL., UNIV. SYDNEY, N.S.W. 2006.
J EXP ZOOL 214 (1). 1980. 1-12. Coden: JEZOA

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM MUSCLE INNERVATION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOPHYS-GE-

NERAL STUDIES(*10502); BIOPHYS-GENERAL BIOPHYS TECH(10504);

71029615

A NEW METHOD FOR LOCAL VITAL STAINING OF AMPHIBIAN EMBRYOS USING FICOLL AND CRYSTALS OF NILE RED

KIRSCHNER M W; HARA K
HUBBRECHT LAB., UPPSALA LALAN 8, UTRECHT 3584 CT, NETH.
MIKROSKOPIE 36 (1-2). 1980. 12-15. Coden: MIKSA

Language: ENGLISH

Descriptors: XENOPUS-LAEVIS BOMBINA-ORIENTALIS AMBYSTOMA-ME-

XIGANUM

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(*01056);

BIOCHEM STUD-GENERAL(10060); MINERALS(10069); BIOPHYS-MEMBRANE

PHENOMENA(10508); REPRODUC SYST-GENL STUDS,METHS(*16501);

DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502);

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

71029615

A NEW METHOD FOR LOCAL VITAL STAINING OF AMPHIBIAN EMBRYOS USING FICOLL AND CRYSTALS OF NILE RED

KIRSCHNER M W; HARA K
HUBBRECHT LAB., UPPSALA LALAN 8, UTRECHT 3584 CT, NETH.
MIKROSKOPIE 36 (1-2). 1980. 12-15. Coden: MIKSA

Language: ENGLISH

Descriptors: XENOPUS-LAEVIS BOMBINA-ORIENTALIS AMBYSTOMA-ME-

XIGANUM

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(*01056);

BIOCHEM STUD-GENERAL(10060); MINERALS(10069); BIOPHYS-MEMBRANE

PHENOMENA(10508); REPRODUC SYST-GENL STUDS,METHS(*16501);

DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502);

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

71037629

COMPARATIVE STUDY OF OPiate AND ENKEPHALIN RECEPTORS ON LOWER VERTEBRATES AND HIGHER VERTEBRATES

AUDIGIER Y; DUPRAT A M; CROS J
LAB. DE PHARMACOL. DE TOXICOL. FONDAMENTALES, CNRS, 205
ROUTE DE NARBONNE, 31078 TOULOUSE CEDEX, FRANCE.
COMP BIOCHEM PHYSIOL C COMP PHARMACOL 67 (2). 1980.

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM PLEURODELES RAT AXOLOTL

THROXINE HORMONE-DRUG METAMORPHOSIS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); ECOLOGY-WATR

RESRCH,FISHERY BIOL(07517);

STUDIES(10010); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(1006-

4); BIOPHYS-MEMBRANE PHENOMENA(*10508); PHYSIOLOGY-COMPARATIV-

E(*12003); ENDOCRINE SYST-GENERAL STUDIES(*17002); ENDOCRINE

SYST-THYROID(*17018); ENDOCRINE SYST-NEUROENDOCRINOLOG(*17020)

: NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); PHARMACOL-DRUG

METAB,METAB STIMU(22003); PHARMACOL-ENDOCRINE SYST(22016);

DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(25502); DEVELOPMNTL BIOL-EX-

PERIMENTAL(25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304); MURIDAE(86375)

71047232

REGIONS OF THE BRAIN INFLUENCING THE PROJECTION OF DEVELOPING OPTIC TRACTS IN THE SALAMANDER

HARRIS W A
DEP. NEUROBIOL., HARVARD MED. SCH., BOSTON, MASS. 02115.
J COMP NEUROL 194 (2). 1980. 319-334. Coden: JCNFA

Language: ENGLISH

Descriptors: TARIQCHA-TOROSA AMBYSTOMA-MEXICANUM CALIFORNIA

NEWT MEXICAN AXOLOTL THALAMUS OPTIC TECTUM SPINAL CORD

Concept Codes: BEHAVIOR BIOL-ANIMAL BEHAVIOR(*07003);

ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); SENSE ORGANS-GENL

STUDS,METHS(20001); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004);

NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-PHYSIOL,BI-

OCHEM(*20504); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOP-

MNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

71023708

**ISOLATION OF PITUITARY PROTEINS FROM MEXICAN AXOLOTLS
AMBYSTOMA-MEXICANUM BY POLY ACRYLAMIDE GEL ELECTROPHORESIS 1.
ASSAY FOR THYROTROPIC ACTIVITY**

SCHULTHEISS H

ZOOL. INST. II, UNIV., KAISERSTR. 12, 75 KARLSRUHE, W. GER.
J EXP ZOOL 213 (3), 1980. 351-358. Coden: JEZ0A

Language: ENGLISH

Descriptors: BOVINE THYROTROPIN HORMONE-DRUG THYROXINE
NEOTENY HYPOPHYSECTOMY

Concept Codes: RADIATION BIOL-RADTN,ISOTOP TECH(06504);
COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-PROTNS,-
PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068); MINERALS(10069);
BIOPHYS-GENERAL BIOPHYS TECH(10504); ANATOMY/HISTOL-EXPERIMENTAL
(11104); MOVEMENT(12100); MINERALS(*13010); METABOLISM-PRO-
TNS,PEPTDS,AM ACDS(13012); REPRODUCT SYST-PHYSIOL,BIOCHEM(165-
04); ENDOCRINE SYST-PITUITARY(*17014); ENDOCRINE SYST-THYROID-
(*17018); PHARMACOL-DRUG METAB,METAB STIMU(22003);
PHARMACOL-ENDOCRINE SYST(*22016); DEVELOPMNTL BIOL-GENL,DESCR-
IPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENSIS(25508); IN
VITRO STUDS-CELLULR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN
METH(34502)

Biosystematic Codes: CAUDATA(85304); BOVIDAE(85715)

71022842

**THE ORIGIN OF SKELETAL STRUCTURES DURING INTERCALARY
REGENERATION OF LARVAL AMBYSTOMA LIMBS**

PESCITELLI M J JR; STOCUM D L

DEP. OF GENETICS AND DEVELOPMENT, UNIVERSITY OF ILLINOIS,
URBANA, ILLINOIS 61801.

DEV BIOL 79 (2), 1980. 255-275. Coden: DEBIA

Language: ENGLISH

Descriptors: MORPHOLOGICAL MARKING TECHNIQUE RULE OF DISTAL
TRANSFORMATION

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(*01056);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY
REGNS-EXTREMITIES(*11318);
BONE,JNTS,FASC,CONN/ADIP-GENL(18001);
BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(*18004); DEVELOPMNTL BIOL-EX-
PERIMENTAL(*25504)

Biosystematic Codes: CAUDATA(85304)

71022832

**PRODUCTION OF ANDROGENETIC DI PLOID AXOLOTLS BY SUPPRESSION
OF 1ST CLEAVAGE**

GILLESPIE L L; ARMSTRONG J B

DEP. BIOL., UNIV. OTTAWA, OTTAWA, ONT. K1N 6N5.

J EXP ZOOL 213 (3), 1980. 423-426. Coden: JEZ0A

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM EGG PRONUCLEUS UV
INACTIVATION PRESSURE SUPPRESSION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-

YTOGENET-ANIMAL(*03506); RADIATION BIOL-RADTN EFF,PROTECT(*06-
506); EXTERN EFF-PRESSURE(*10606); PATHOLOGY-NECROSIS(12510);
REPRODUCT SYST-GENL STUDES,METHS(*16501); DEVELOPMNTL
BIOL-EXPERIMENTAL(*25504)

Biosystematic Codes: CAUDATA(85304)

71021421

**INTERCALARY REGENERATION OF SYMMETRICAL THIGHS IN THE
AXOLOTL AMBYSTOMA-MEXICANUM**

STOCUM D L

DEPARTMENT OF GENETICS AND DEVELOPMENT, UNIVERSITY OF
ILLINOIS, URBANA, ILLINOIS 61801.

DEV BIOL 79 (2), 1980. 276-295. Coden: DEBIA

Language: ENGLISH

Descriptors: SKELETON BLASTEMA CELL BOUNDARY MODEL

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOPHYS-BI-
OCYBERNETICS(*10515); ANATOMY/HISTOL-EXPERIMENTAL(11104); ANA-
TOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXT-
REMITIES(*11318); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(*18004)

Biosystematic Codes: CAUDATA(85304)

71018695

**FENESTRATION OF THE EPITHELIUM LINING THE ROOF OF THE 4TH
CEREBRAL VENTRICLE IN AMPHIBIA**

JONES H C

BIOMED. RES. UNIT, UNIV. HULL., HULL HU6 7RX, ENGL., UK.

CELL TISSUE RES 198 (1), 1979 (RECD. 1980). 129-136.

Coden: CTSRC

Language: ENGLISH

Descriptors: RANA-PIPIENS XENOPUS-LAEVIS SALAMANDRA-SALAMAN-
DRA AMBYSTOMA-MEXICANUM EPENDYMAL CELLS CEREBRO SPINAL FLUID

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
MATHEMATIC BIOL/STATISTIC METH(04500); BIOPHYS-MEMBRANE
PHENOMENA(*10508); MOVEMENT(12100); BLOOD/BODY FLDS-OTHER BODY
FLDS(*15010); NERVOUS SYST-ANATOMY(*20502); NERVOUS
SYST-PHYSIOL,BIOCHEM(*20504)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

EFFECT ON NEURULATION CENTRAL NERVOUS SYSTEM GILLS AND LIMBS

ROLLAUESER-TER HORST U
ANATOMISCHES INST., WESTFALISCHEN, WILHELMS-UNIV. MÜNSTER,
VESALIUSWEG 2-4, 4400 MÜNSTER, BUNDESREPUBLIK DEUTSCHLAND.
ANAT EMBRYOL 160 (2). 1980. 203-212. Coden: ANEMD
Language: ENGLISH
Descriptors: TRITURUS-TAENIATUS TRITURUS-ALPESTRIS AMBYSTOM-
A-MEXICANUM BLASTEMA INDUCTION
Concept Codes: MICROSCOPY-HISTOL.HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-ANIMAL(02506);
ANATOMY/HISTOL-REGEN.TRANSPLANT(.11107);
ANATOMY/HISTOL-MICRO.ULTRAMICRSC(.11108);
CHORDATE BODY CHORDATE BODY
REGNS-THORAX(11312);
CHORDATE BODY REGNS-EXTREMITIES(.11318);
MOVEMENT(12100);
CHORDATE BODY REGNS-ABDOMEN(11314);
RESPIRATORY SYST-PHYSIOL.BIOCHEM(.16004);
NERVOUS SYST-GENL
STUDS.METHS(.20501);
NERVOUS SYST-PHYSIOL.BIOCHEM(.20504);
DEVELOPMNTL BIOL-EXPERIMENTAL(.25504);
DEVELOPMNTL BIOL-GEN
MORPHGENSIS(.25508)
Biosystematic Codes: CAUDATA(85304)

**7100188
AUTONOMOUS DEVELOPMENT OF RECIPROCALLY EXCHANGED
REGENERATION BLASTEMAS OF NORMAL FORE LIMBS AND SYMMETRICAL
HIND LIMBS**

STOCUM D L
DEV. GENET. DEV., UNIV. ILL., URBANA, ILL. 61801, USA.
J EXP Zool 212 (3). 1980. 361-372. Coden: JEZOA
Language: ENGLISH
Descriptors: AMBYSTOMA-MEXICANUM SUPERNUMERARY LIMB
MORPHOGENETIC FIELD
Concept Codes: ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/
HISTOL-REGEN.TRANSPLANT(.11107); CHORDATE BODY REGNS-EXTREMIT-
IES(.11318); INTEGUMENT SYST-PHYSIOL.BIOCHEM(18504); DEVELOPM-
NTL BIOL-GEN MORPHGENSIS(.25508)
Biosystematic Codes: CAUDATA(85304)

**71018474
SPONTANEOUS SKIN TUMORS IN AMPHIBIA**

KHUNDLEY V V; MIZIGREUV I V
INT. AGENCY RES. CANCER, 150 COURS ALBERT THOMAS, 69008
LYON, FR.
NEOPLASMA (BRATISL) 27 (3). 1980. 289-294. Coden: NEOLA
Language: ENGLISH
Descriptors: RANA-TEMPORARIA RANA-RIDIUNDA AMEYSTOMA-MEXIC-
ANUM CYST ADENO PAPILLOMA ADENO CARCINOMA MELANOPHOROMA
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); INTEGUMENT
SYST-PATHOLOGY(.18506); NEOPLASMS/NEOPL AGNTS-PATH.CLINIC(.240-
04)
Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

**71008618
GAP JUNCTIONS IN EARLY AMPHIBIAN EMBRYOS AMBYSTOMA-MEXICANU-
M/**

HANNA R B; MODEL P G; SPRAY D C; BENNETT M V L; HARRIS A L
CENT. ULTRASTRUCTURE STUD., S.U.N.Y. COLL. ENVIRON. SCI.
FOR. SYRACUSE, N.Y. 12310, USA.
AM J ANAT 158 (2). 1980. 111-114. Coden: AJANA
Language: ENGLISH
Concept Codes: MICROSCOPY-CYTOLOGY.CYTOCHEM TECH(01054);
ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(.02506);
EXTERN EFF-COLD(10616); ANATOMY/HISTOL-MICRO.ULTRAMICRSC(.111-
08); TEMPERATURE-GENL.METHS(23001); TEMPERATURE-CRYOBIOLOGY(2-
3004); DEVELOPMNTL BIOL-GENL.DESCRPTIVE(.25502)
Biosystematic Codes: CAUDATA(85304)

**71002592
DOMINANT LETHAL INDUCTION BY ETHYL METHANESULFONATE IN THE
MALE AXOLOTL AMBYSTOMA-MEXICANUM**

ARMSTRONG U B; GILLESPIE L L
DEP. BIOL. UNIV. OTTAWA, OTTAWA, ONT. K1N 6N5, CAN.
J EXP Zool 212 (3). 1980. 415-422. Coden: JEZOA
Language: ENGLISH
Descriptors: MOUSE EMBRYONIC ABNORMALITIES GERM CELL STAGE
MUTAGEN TERATOGEN PEAK MORTALITY
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(.02506); GENETICS/C-
YTOGENET-ANIMAL(.03506); ECOLOGY-WATR RESRCH.FISHERY BIOL(075-
17); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-NUCL
ACD.PURNS.PYRM(10062); PATHOLOGY-COMPARATIVE(12503); PATHOLOG-
Y-NECROSIS(12510); METABOLISM-NUCL ACD.PURINS.PYRM(.13014);
REPROUCT SYST-GENL.METHS(16501); REPRODUCT SYST-PHYSIO-
L.BIOCHEM(16504); REPRODUCT SYST-PATHOLOGY(.16506); TOXICOL-G-
ENL/EXP STUDS.METHS(.22501); DEVELOPMNTL BIOL-GENL.DESCRPTIV-
E(25502); DEVELOPMNTL BIOL-PATHOLOGICAL(.25503); DEVELOPMNTL
BIOL-EXPER TERATOL(.25554)
Biosystematic Codes: CAUDATA(85304); MURIDAE(86375)

**71001456
NEURAL CREST REPLACED BY GASTRULA ECTODERM IN AMPHIBIA**

21045657

REGENERATIVE SUCCESS OF EMBRYONICALLY INDUCED DOUBLE POSTERIOR FORE LIMBS IN THE AXOLOTL AMBYSTOMA-MEXICANUM

TANK P W
DEPARTMENT OF ANATOMY, UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES, LITTLE ROCK, ARKANSAS.
94TH SESSION OF THE AMERICAN ASSOCIATION OF ANATOMISTS, NEW ORLEANS, LA., USA, APRIL 19-23, 1981. ANAT REC 199 (3). 1981. 253A. Coden: ANREA

Language: ENGLISH
Descriptors: ABSTRACT CELL-TO-CELL COMMUNICATION
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMITIES(*11318); DEVELOPMNTL BIOL-EXPERIMENTAL(*255-04); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

21033674

IN-VITRO CULTURE OF AMPHIBIAN AMBYSTOMA-MEXICANUM LIMB REGENERATION BLASTEMA MESODERM

HINTERBERGER T; CAMERON J
UNIV. ILL. COLL. MED., SCH. BASIC MED. SCI., URBANA, ILL., USA.
94TH SESSION OF THE AMERICAN ASSOCIATION OF ANATOMISTS, NEW ORLEANS, LA., USA, APRIL 19-23, 1981. ANAT REC 199 (3). 1981. 116A. Coden: ANREA

Language: ENGLISH
Descriptors: ABSTRACT HISTOLOGY
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520); MICROSCOPY-HISTOL,HISTOCHEM TECH(01056); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); CHORDATE BODY REGNS-EXTREMITIES(*11318); BONE,JNTS,FASC,CONN/ADIP-GENL(*18001); BONE,JNTS,FASC,CONN/ADIP-ANATOMY(*18002); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(*18004); TISS CULTURE-APPARAT,METHS,MEDIA(*32500); IN VITRO STUDS-CELLULR,SUBCELL(32600)
Biosystematic Codes: CAUDATA(85304)

21023646

CHANGES IN THE ELECTROPHORETIC PATTERN OF NUCLEAR PROTEINS FROM NONINDUCED AND INDUCED EMBRYONIC ECTODERM

MINUTH W; MINUTH M; TIEDEMANN H
INST. MOLEKULARBIOL., BIOCHEMIE, FREIE UNIVERSITAT BERLIN, ARNIMALLEE 22, 1 BERLIN 33, WEST GERMANY.
IRCS (INT RES COMMUN SYST) MED SCI LIBR COMPEND 9 (1). 1981. 36. Coden: IRLCA

Language: ENGLISH
Descriptors: AMBYSTOMA-MEXICANUM GASTRULA EXPLANT GENES
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/CYTOGENET-ANIMAL(*03506); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); MOVEMENT(12100); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); INTEGUMENT SYST-PHY-

SIOL,BIOCHEM(*18504); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*2550-2); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

21020681

MONO AMINE CONTAINING CELLS IN TASTE RECEPTORS OF AMPHIBIANS

ESAKOV A I; SOLOVIEVA N A
P. K. ANOKHIN INST. PHYSIOL., USSR ACAD. MED. SCI., MOSC.
SALANKI, J. AND T. M. TURPAEV (ED.). NEUROTRANSMITTERS: COMPARATIVE ASPECTS. XII+514P. HEYDEN AND SONS, INC.: PHILADELPHIA, PA., USA; LONDON, ENGLAND. ILLUS. ISBN 963-05-2601-8. 0 (0). 1980 (RECD. 1981). P451-470. Coden: 10330

Language: ENGLISH
Descriptors: RANA-TEMPORARIA PLEURODELES-WALTLII AMBYSTOMA--MEXICANUM 5 HYDROXY TRYPTAMINE TONGUE PAPILLA
Concept Codes: MICROSCOPY-GENL,SPECL TECHNIQUES(01052); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); ENDOCRINE SYST-NEUROENDOCRINOLOG(*17020); DENTAL/ORAL BIOL-GENL STUD,METHS(19001); DENTAL/ORAL BIOL-ANATOMY(19002); DENTAL/ORAL BIOL-PHYSIOL,BIOCHEM(*19004); SENSE ORGANS-GENL STUDS,METHS(2-0001); SENSE ORGANS-ANATOMY(20002); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-ANATOMY(20502); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504)
Biosystematic Codes: AMPHIBIA-UNSPECIFIED(85300); CAUDATA(8-5304); SALIENTIA(85306)

21012747

TRI IODO THYRONINE AND THYROXINE CONCENTRATIONS DURING METAMORPHOSIS OF XENOPUS-LAEVIS AND RANA-ESCULENTA AND IN THE NEOTENIC MEXICAN AXOLOTL AMBYSTOMA-MEXICANUM

SCHULTHEISS H
ZOOLOG. INST., UNIV. KARLSRUHE, 75 KARLSRUHE, W. GER.
10TH CONFERENCE OF EUROPEAN COMPARATIVE ENDOCRINOLOGISTS, SORRENTO, ITALY, MAY 21-25, 1979. GEN COMP ENDOCRINOL 40 (3). 1980. 372. Coden: GCENA

Language: ENGLISH
Descriptors: ABSTRACT
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520); ECOLOGY-WATR RESRCH,FISHERY BIOL(07517); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); PHYSIOLOGY-COMPARATIVE(*12003); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); ENDOCRINE SYST-THYROID(*17018); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

21012729
CURRENTS LEAVE AMPUTATED LIMB STUMPS OF AMBYSTOMA-MEXICANUM
LARVAE
VANABLE J W JR; HEARSON L L; JAFFE L F
PURDUE UNIV., WEST LAFAYETTE, INDIANA.
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
AMERICAN MICROSCOPICAL SOCIETY, AMERICAN SOCIETY OF LIMNOLOGY
AND OCEANOGRAPHY, ANIMAL BEHAVIOR SOCIETY, CANADIAN SOCIETY OF
ZOOLOGISTS, ECOLOGICAL SOCIETY OF AMERICA, SOCIETY OF
SYSTEMATIC ZOOLOGY, AND THE WESTERN SOCIETY OF NATURALISTS,
SEATTLE, WASH., USA, DEC. 27-30, 1980. AM ZOO 20 (4), 1980
(RECD. 1981). 739. Coden: AMZOA
Language: ENGLISH
Descriptors: ABSTRACT REGENERATION
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REJV(00520);
ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY
RENS-EXTREMITIES(11318); DEVELOPMNTL BIOL-EXPERIMENTAL(*2550-
4); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

21002211
ADHESION GUIDED MESODERM MIGRATION IN THE LIVING AMPHIBIAN
EMBRYO
POOLE T J; STEINBERG M S
DEP. BIOL., PRINCETON UNIV., PRINCETON, NJ, USA.
2ND INTERNATIONAL CONGRESS ON CELL BIOLOGY, BERLIN, WEST
GERMANY, AUG. 31-SEPT. 5, 1980. EUR J CELL BIOL 22 (1),
1980. 429. Coden: EJCB
Language: ENGLISH
Descriptors: ABSTRACT AXOLOTL ULTRASTRUCTURE
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REJV(00520);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); MOVEMENT(12100);
DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL
BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

21003984
AN IN-VITRO MODEL FOR THE STUDY OF AXOLOTL
AMBYSTOMA-MEXICANUM CELL LETHAL GENES
NEFF A W; MCFURMAN W G; FOST S K; MALACINSKI C M
ANAT. SECT., MED. SCI. PROG., INDIANA UNIV., BLOOMINGTON,
INDIANA.
THE 20TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL
BIOLOGY, CINCINNATI, OHIO, USA, NOV. 14-18, 1980. J CELL BIOL
87 (2 PART 2), 1980. 23A. Coden: JCLBA
Language: ENGLISH
Descriptors: ABSTRACT EMBRYO CULTURE HEART EXPLANT CLIA
FIBROBLASTIC CELLS EPIHELIAL CELLS
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REJV(00520);
CYTOGENS/CYTOCHEM-ANIMAL(*02506);
GENETICS/CYTOGENET-ANIMAL(*03506); CARDIOVASC SYST-GENL
STUDS,METHS(14501); CARDIOVASC SYST-HEART PATHOLOGY(*14506);
DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(25502); DEVELOPMNTL BIOL-PA-
THOLOGICAL(*25503); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); IN
VITRO STDS-CELLUR,SUBCELL(*32600)
Biosystematic Codes: CAUDATA(85304)

21002192
PERIODIC CELL MOVEMENTS IN CULTURES OF AMPHIBIAN NEURAL
CREST
BRICK I; WEINBERGER C
NY UNIV., NEW YORK, N.Y.
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
AMERICAN MICROSCOPICAL SOCIETY, AMERICAN SOCIETY OF LIMNOLOGY
AND OCEANOGRAPHY, ANIMAL BEHAVIOR SOCIETY, CANADIAN SOCIETY OF
ZOOLOGISTS, ECOLOGICAL SOCIETY OF AMERICA, SOCIETY OF
SYSTEMATIC ZOOLOGY, AND THE WESTERN SOCIETY OF NATURALISTS,
SEATTLE, WASH., USA, DEC. 27-30, 1980. AM ZOO 20 (4), 1980
(RECD. 1981). 942. Coden: AMZOA
Language: ENGLISH
Descriptors: ABSTRACT RANA-PIPIENS XENOPUS AXOLOTL
MORPHOGENESIS

21002234
TISSUE SPECIFIC PROTEINS IN AMBYSTOMA-MEXICANUM
CRISE-MEULER D; SPIETH J; MALACINSKI G
DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA.
THE 20TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL
BIOLOGY, CINCINNATI, OHIO, USA, NOV. 14-18, 1980. J CELL BIOL
87 (2 PART 2), 1980. 138A. Coden: JCLBA
Language: ENGLISH
Descriptors: ABSTRACT TAIL BUD STAGE EMBRYO NOTOCHORD NEURAL
TUBE SOMITES
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REJV(00520);
BIOCHEM METH-PROTS,PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEIN-
21002234

21002234
TISSUE SPECIFIC PROTEINS IN AMBYSTOMA-MEXICANUM
CRISE-MEULER D; SPIETH J; MALACINSKI G
DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA.
THE 20TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL
BIOLOGY, CINCINNATI, OHIO, USA, NOV. 14-18, 1980. J CELL BIOL
87 (2 PART 2), 1980. 138A. Coden: JCLBA
Language: ENGLISH
Descriptors: ABSTRACT TAIL BUD STAGE EMBRYO NOTOCHORD NEURAL
TUBE SOMITES
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REJV(00520);
BIOCHEM METH-PROTS,PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEIN-
21002234

20064425

PRIMARY CELL CULTURE OF TISSUES FROM THE MEXICAN AXOLOTL
FROST S K; SZKLUT P; NEFF A W; MALACINSKI G M
DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA.
THE 20TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL
BIOLOGY, CINCINNATI, OHIO, USA, NOV. 14-18, 1980. J CELL BIOL
87 (2 PART 2). 1980. 230A. Coden: JCLBA
Language: ENGLISH
Descriptors: ABSTRACT GONAD LIVER KIDNEY
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506); DIGESTIVE SYST-GENL STUDS,M-
ETHS(*14001); URIN SYST/EXT SECR-GENL STUD,METH(*15501);
REPRODUCT SYST-GENL STUDS,METHS(*16501); TISS CULTURE-APPARAT-
,METHS,MEDIA(*32500)
Biosystematic Codes: SALIENTIA(85306)

20059085

**RE TRANSPLANTED ALLO GRAFTS PASSENGER CELLS AND-OR RECRUITED
DONOR CELL INVOLVEMENT**
DELANNEY L E; SCHMIEDER L A; FEDRIZZI K A
JACKSON LAB., BAR HARBOR, MAINE.
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
AMERICAN MICROSCOPICAL SOCIETY, AMERICAN SOCIETY OF LIMNOLOGY
AND OCEANOGRAPHY, ANIMAL BEHAVIOR SOCIETY, CANADIAN SOCIETY OF
ZOOLOGISTS, ECOLOGICAL SOCIETY OF AMERICA, SOCIETY OF
SYSTEMATIC ZOOLOGY, AND THE WESTERN SOCIETY OF NATURALISTS,
SEATTLE, WASH., USA, DEC. 27-30, 1980. AM ZOOLOG 20 (4). 1980
(RECD. 1981). 765. Coden: AMZOA
Language: ENGLISH
Descriptors: ABSTRACT AMBYSTOMA-MEXICANUM HISTO COMPATIBILI-
TY REJECTION MITOSIS
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
GENETICS/CYTOGENET-ANIMAL(*03506);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)
Biosystematic Codes: CAUDATA(85304)

20058320

**EYE FORMATION IN THE EYELESS MUTANT AXOLOTL
AMBYSTOMA-MEXICANUM**
BRUN R B
BIOL. DEP., TEXAS CHRISTIAN UNIVERSITY, FORT WORTH, TEXAS
76129.
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
AMERICAN MICROSCOPICAL SOCIETY, AMERICAN SOCIETY OF LIMNOLOGY
AND OCEANOGRAPHY, ANIMAL BEHAVIOR SOCIETY, CANADIAN SOCIETY OF
ZOOLOGISTS, ECOLOGICAL SOCIETY OF AMERICA, SOCIETY OF
SYSTEMATIC ZOOLOGY, AND THE WESTERN SOCIETY OF NATURALISTS,
SEATTLE, WASH., USA, DEC. 27-30, 1980. AM ZOOLOG 20 (4). 1980
(RECD. 1981). 838. Coden: AMZOA
Language: ENGLISH
Descriptors: ABSTRACT NEURAL PLATE GRAFT RECESSIVE GENE
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);

GENETICS/CYTOGENET-ANIMAL(*03506); ECOLOGY-WATR RESRCH.FISHERY
BIOL(07517); ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); SENSE
ORGANS-GENL STUDS,METHS(20001); SENSE ORGANS-PATHOLOGY(*20006)
; NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL
BIOL-GENL,DESCRIPTIVE(25502); DEVELOPMNTL BIOL-EXPERIMENTAL(+
25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

20057017

**RESEARCH REPORTS OF THE NORTH-RHINE-WESTPHALIA REGION WEST
GERMANY NO. 2874. QUANTIFICATION OF DNA STATUS IN THE LIVER
PARENCHYMA OF WHITE MICE AND OTHER VERTEBRATES A CONTRIBUTION
TO THE HISTOGENESIS AND POLY PLOIDIZATION OF THE VERTEBRATE
LIVER**
VAHS W
ZOOLOG. INST., UNIV. KOELN, 1. LEHRSTUHL, EXP. MORPHOL.
VAHS, W. FORSCHUNGSBERICHTE DES LANDES NORDRHEIN WESTFALEN,
NR. 2874. QUANTIFIZIERUNG DES DNS-STATUS IM LEBER-PARENCHYM DER
WEISSEN MAUS UND ANDERER VERTEBRATEN: EIN BEITRAG ZUR
HISTOGENESE UND POLYPLOIDISIERUNG DER VERTEBRATEN-LEBER
(RESEARCH REPORTS OF THE NORTH-RHEIN-WESTFALEN REGION, NO.
2874. QUANTIFICATION OF DNA STATUS IN THE LIVER PARENCHYMA OF
WHITE MICE AND OTHER VERTEBRATES: A CONTRIBUTION TO THE
HISTOGENESIS AND POLYPLOIDIZATION OF THE VERTEBRATE LIVER).
III+42P. WESTDEUTSCHER VERLAG: OPLADEN, WEST GERMANY. ILLUS.
PAPER. ISBN 3-531-02874-X. 0 (0). 1979. III+42P. Coden:
FLNWA
Language: GERMAN
Descriptors: CARASSIUS-AURATUS AMBYSTOMA-MEXICANUM RANA-TEM-
PORARIA LACERTA-GALLOTI COLUMBA-LIVIA STURNUS-VULGARIS
MUS-MUSCULUS BOS-TAURUS CYTOCHEMISTRY CYTO PHOTOMETRY NUCLEO
HISTONE GENETIC ACTIVITY
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
GENETICS/CYTOGENET-ANIMAL(*03506); ECOLOGY-WATR RESRCH.FISHERY
BIOL(07517); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM
STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); REPLICATN,TRANSCRIPT-
N,TRANSLATN(10300); BIOPHYS-GENERAL BIOPHYS TECH(10504);
ANATOMY/HISTOL-COMPARATIVE(11103);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108);
PHYSIOLOGY-COMPARATIVE(12003); DIGESTIVE SYST-ANATOMY(14002);
DIGESTIVE SYST-PHYSIOL,BIOCHEM(*14004); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(*25508)
Biosystematic Codes: OSTEICHTHYES(85206); CAUDATA(85304);
SALIENTIA(85306); SAURIA(85408); COLUMBIFORMES(85524);
PASSERIFORMES(85548); BOVIDAE(85715); MURIDAE(86375)

20056844
ANALYSIS OF NEURAL CREST MIGRATION IN DARK AND WHITE EMBRYOS OF THE MEXICAN AXOLOTL AMBYSTOMA-MEXICANUM
 KELLER R; SPIETH J
 DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA.
 THE 20TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY, CINCINNATI, OHIO, USA, NOV. 14-18, 1980. J CELL BIOL 87 (2 PART 2), 1980. 26A. Coden: JCLBA

87 (2 PART 2), 1980. 26A. Coden: JCLBA
 Language: ENGLISH
 Descriptors: ABSTRACT NEURAL CREST CELL PIGMENT CELL
 Concept Codes: GENL BIOL-SYMPOSA,PROCDNGS,REWV(00520); MICROSCOPY-GENL,SPECL TECHNIQUES(01052); ELECTRON MICROSCOPY(-01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/CYTOGENET--ANIMAL(*03506); ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); ANATO-MY/HISTOL-MICRO,ULTRAMICRSC(*11108); MOVEMENT(12100); NERVOUS SYST-GENL,STUDS,METHS(20501); NERVOUS SYST-PHYSIOL,BIOCHEM(*2-0504); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508); TISS CULTURE-APPARAT,METHS,MEDIA(32500)

Biosystematic Codes: CAUDATA(85304)

20056725
ABILITY OF WHOLE OR MINGED DERMIS TO INFLUENCE PATTERN FORMATION IN THE REGENERATING FORE LIMB OF THE AXOLOTL AMBYSTOMA-MEXICANUM
 TANK P W
 UNIV. ARKANSAS MED. SCI., LITTLE ROCK.
 ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS, AMERICAN MICROSCOPICAL SOCIETY, AMERICAN SOCIETY OF LIMNOLOGY AND OCEANOGRAPHY, ANIMAL BEHAVIOR SOCIETY, CANADIAN SOCIETY OF ZOOLOGISTS, ECOLOGICAL SOCIETY OF AMERICA, SOCIETY OF SYSTEMATIC ZOOLOGY, AND THE WESTERN SOCIETY OF NATURALISTS, SEATTLE, WASH., USA, DEC. 27-30, 1980. AM ZOO L 20 (4), 1980 (RECD, 1981), 773. Coden: AMZOA

87 (2 PART 2), 1980. 265A. Coden: JCLBA
 BIOLOGY, CINCINNATI, OHIO, USA, NOV. 14-18, 1980. J CELL BIOL 87 (2 PART 2), 1980. 265A. Coden: JCLBA
 Language: ENGLISH
 Descriptors: ABSTRACT LARVA MULTIPLE LIMB FREEZING
 Concept Codes: GENL BIOL-SYMPOSA,PROCDNGS,REWV(00520); ECOLOGY-WATR RESRCH,FISHERY BIOL(07517); EXTERN EFF-GOLD(1061-ANATOMY/HISTOL-EXPERIMENTAL(11104); ANATOMY/HISTOL-REGEN,-TRANSPLANT(*11107); INTGUMENT SYST-PHYSIOL,BIOCHEM(*18504); TEMPERATURE-GENL,METHS(23001); TEMPERATURE-CRYOBIOLOGY(23004); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

20056033
QUANTITATION OF TROPQ MYOSIN BY RADIO IMMUNOASSAY IN DEVELOPING HEARTS OF CARDIAC MUTANT AXOLOTLS AMBYSTOMA-MEXICANUM
 MOORE P B; LEMANSKI L F
 DEP. ANAT., UNIV. WIS., MADISON, WIS.
 THE 20TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY, CINCINNATI, OHIO, USA, NOV. 14-18, 1980. J CELL BIOL 87 (2 PART 2), 1980. 265A. Coden: JCLBA

Language: ENGLISH
 Descriptors: ABSTRACT MYO FIBRIL RECESSIVE INHERITANCE
 Concept Codes: GENL BIOL-SYMPOSA,PROCDNGS,REWV(00520); GENETICS/CYTOGENET-ANIMAL(*03506); RADIATION BIOL-RADTN,ISOTOP TECH(06504); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); METABOLISM-METABOLIC DISORDERS(13020); CARDIOVASC SYST-GENL STUDS,METHS(14501); CARDIOVASC SYST-PHYSIOL,BIOCHEM(14504); CARDIOVASC SYST-HEART PATHOLOGY(-*14506); MUSCLE SYST-GENL STUDS,METHS(17501); MUSCLE SYST-PATHOLOGY(*17506); DEVELOPMNTL BIOL-PATHOLOGICAL(*25503); DEVELOPMNTL BIOL-GEN MORPHGENSIS(25508); IMMUNOL/IMMUNOCHEM-G-EN METH(34502)

Biosystematic Codes: CAUDATA(85304)

20034104
ACTIN IN CARDIAC MUTANT AND NORMAL AXOLOTL AMBYSTOMA-MEXICANUM HEARTS
 WOODROOFE M N; LEMANSKI L F
 DEP. ANAT., UNIV. WIS., MADISON, WIS., USA.
 THE 20TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY, CINCINNATI, OHIO, USA, NOV. 14-18, 1980. J CELL BIOL 87 (2 PART 2), 1980. 266A. Coden: JCLBA

Language: ENGLISH
 Descriptors: ABSTRACT EMBRYONIC HEART FAILURE ACTIN ISOZYME COLLECTION MERO MYOSIN BINDING
 Concept Codes: GENL BIOL-SYMPOSA,PROCDNGS,REWV(00520); ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(02506); GENETICS/CYTOGENET-ANIMAL(*03506); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); ENZYMES-PHYSIOLOGICAL STUDIES(*10808); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); CARDIOVASC SYST-HEART PATHOLOGY(*14506); PEDIAIRCS(*25000); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

Biosystematic Codes: CAUDATA(85304)

20033426

INTERCALARY REGENERATION OF DOUBLE HALF ANTERIOR THIGHS IN THE AXOLOTL AMBYSTOMA-MEXICANUM

STOCUM D L
DEP. GENET. DEVELOP., UNIV. ILL., URBANA, ILL., USA.
93RD SESSION OF THE AMERICAN ASSOCIATION OF ANATOMISTS,
OMAHA, NEBR., USA, APRIL 26-MAY 1, 1980. ANAT REC 196 (3).
1980. 181A-182A. Coden: ANREA

Language: ENGLISH
Descriptors: ABSTRACT BLASTEMA CELLS
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY
REGNS-EXTREMITIES(11318);
BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(*18004); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

20032592

REGULARITIES IN THE CHANGES OF MITOTIC CYCLES DURING CELL TRANSFORMATION AND REGENERATION IN LOWER VERTEBRATES

MITASHOV V I
GROUP REGENER. PROBL., INST. DEV. BIOL., ACAD. SCI. USSR,
MOSCOW, USSR.

TSITOLOGIYA 22 (4). 1980. 371-380. Coden: TSITA
Language: RUSSIAN
Descriptors: REVIEW TRITURUS-VULGARIS TRITURUS-CRISTATUS
TRITURUS-VIRIDESCENS NOTOPHTHALMUS-VIRIDESCENS PLEURODELES-WA-
LTLII AMBYSTOMA-MEXICANUM PIGMENT EPITHELIAL CELL EYE LIMB
EMBRYONIC PATTERN DIFFERENTIATION PROTEIN SYNTHESIS
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM
STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); ANATOMY/HISTOL-REGEN-
TRANSPLANT(*11107); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108);
CHORDATE BODY REGNS-EXTREMITIES(*11318); METABOLISM-PROTNS,PE-
PTDS,AM ACD(13012); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004);
DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(25502); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

20024087

STRUCTURE OF SUPERNUMERARY LIMBS

MADEN M
NATL. INST. MED. RES., MILL HILL, LONDON NW7 1AA, UK.
NATURE (LOND) 286 (5775). 1980. 803-805. Coden: NATUA
Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM INVERSION EXPERIMENT
MORPHOGENESIS POLAR COORDINATE MODEL MIRROR IMAGE DUPLICATION
Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500);
ECOLOGY-WATR RESRCH,FISHERY BIOL(07517); BIOPHYS-BIOCYBERNETI-
CS(*10515); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE
BODY REGNS-EXTREMITIES(11318); BONE,JNTS,FASC,CONN/ADIP-PATHO-
L(*18006); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(25502); DEVELOPM-
NTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(*25508); DEVELOPMNTL BIOL-EXPER TERATOL(*25554)

20022554

TRANSFORMATION OF WANDERING MESENCHYMAL CELLS LYMPHOCYTES INTO LINING EPITHELIAL AND SECRETORY CELLS OBSERVATIONS IN 3 VERTEBRATE CLASSES PISCES AMPHIBIA AND MAMMALS

ANDREW W
DEP. ANAT., INDIANA UNIV., INDIANAPOLIS, INDIANA 46223, USA.
2ND INTERNATIONAL CONGRESS ON CELL BIOLOGY, BERLIN, WEST
GERMANY, AUG. 31-SEPT. 5, 1980. EUR J CELL BIOL 22 (1).
1980. 428. Coden: EJCBD

Language: ENGLISH
Descriptors: ABSTRACT AMBYSTOMA-MEXICANUM MOUSE RAT TELEOST
INTESTINE KIDNEY ELECTRON MICROSCOPY DIFFERENTIATION
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
ELECTRON MICROSCOPY(01058); ECOLOGY-WATR RESRCH,FISHERY
BIOL(07517); DIGESTIVE SYST-ANATOMY(*14002); DIGESTIVE
SYST-PHYSIOL,BIOCHEM(*14004); BLOOD/BODY FLDS-BLOOD CELL
STUDS(*15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(*15008); URIN
SYST/EXT SECR-ANATOMY(*15502); URIN SYST/EXT SECR-PHYSL,BIOCH-
EM(*15504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: OSTEICHTHYES(85206); CAUDATA(85304);
MURIDAE(86375)

20021781

DISTAL REGENERATION FROM HALF FORE ARMS IN THE AXOLOTL AMBYSTOMA-MEXICANUM

KRASNER G N
DEV. BIOL. CENT., UNIV. CALIF., IRVINE, CALIF., USA.
93RD SESSION OF THE AMERICAN ASSOCIATION OF ANATOMISTS,
OMAHA, NEBR., USA, APRIL 26-MAY 1, 1980. ANAT REC 196 (3).
1980. 104A. Coden: ANREA

Language: ENGLISH
Descriptors: ABSTRACT POLAR COORDINATE MODEL PATTERN
REGULATION
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY
REGNS-EXTREMITIES(*11318)
Biosystematic Codes: CAUDATA(85304)

Language: ENGLISH
 Descriptors: REVIEW CHICKEN PIG HUMAN CHLAMYDOMONAS-REINHAR-

DTII NAEGLERIA-GRUBERI TETRAHYMENA URECHIS-CAURO ARBACIA-PUNC-
 TULATA SPISULA-SOLIDISSIMA DROSOPHILA-MELANOGASTER XENOPUS-LA-
 EVIS LYTECHINUS-VARIEGATA AMBYSTOMA-MEXICANUM STRONGYLOCENTR-
 OTUS-PURPURATUS CHINESE HAMSTER OVARY CHO CELLS RAT GLIOMA C-6
 CELLS MOUSE FIBROBLAST SV-40 TRANSFORMED 3T3 CELLS NEURO
 BLASTOMA CELLS FIBROBLAST 3T3 CELLS EMBRYONIC DORSAL ROOT
 GANGLIA BRAIN DEVELOPING OVIDUCT PANCREATIC ISLETS PLATELETS
 LYMPHOCYTES HEPATOCYTES TUBULIN MEASUREMENT MITOSIS CILIA
 REGENERATION FLAGELLA CELL CYCLE EMBRYOGENESIS NEUROGENESIS
 Concept codes: CYTOLOGY/CYTOCHEM-ANIMAL(*2506); CYTOLOGY/C-

YTOCHEM-HUMAN(*2508); COMPARATIVE BIOCHEM-GENL STUDIES(10010)
 BIOCHEM METH-GENERAL(10050); BIOCHEM STUD-PROTEINS,PEPTIDES-
 AMINO ACID(*10064); BIOPHYS-GENERAL BIOPHYS TECH(10504);
 BIOPHYS-MOLECUL PROP,MACROMOLEC(*10506); ANATOMY/HISTOL-MICRO-
 ULTRAMICRSC(*11108); MOVEMENT(12100); METABOLISM-PROTNS,PEPT-
 DS,AM ACDS(*13012); DIGESTIVE SYST-PHYSIOL,BIOCHEM(14004);
 BLOOD/BODY FLDS-BLOOD CELL STUDES(15004); BLOOD/BODY
 FLDS-LYMPHAT TISS,RES(15008); REPRODUCT SYST-PHYSIOL,BIOCHEM(-
 16504); ENDOCRINE SYST-PANCREAS(17008); BONE,JNTS,FASC,CONN/A-
 DIP-PHY,BCH(18004); NERVOUS SYST-PHYSIOL,BIOCHEM(20504);
 NERVOUS SYST-PATHOLOGY(20506); NEOPLSMS/NEOPL AGNTS-CELL
 LINE(24005); NEOPLSMS/NEOPL AGNTS-BIOCHEM(24006); DEVELOPMNTL
 BIOL-GENL,DESCRPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENS-

IS(*25508); IN VITRO STUDES-CELLUR,SUBCELL(32600);
 IMMUNOL/IMMUNOCHEM-GEN METH(34502); PLANT PHYSIOL-CHEM
 CONSTITUENTS(51522); INVERTB PHYSIOL-PROTZOA(64002); INVERTB
 PHYSIOL-MOLLUSCA(64026); INVERTB PHYSIOL-ECHINODERMATA(64048);
 INVERTB PHYSIOL-INSECTA-PHYSIOL(64076); INVERTB BODY-APPNDAG-

ES(*64212)
 Biosystemic codes: PAPAVERIRIDA(02226); CHLOROPHYTA(1330-
 0); LILIACAE(23345); CILIATA(35100); FLAGELLATA(35200);
 SARCODINA(35300); PELECYPODA(61500); DIPTERA(75314); ECHINOD-
 EA(83300); CAUDATA(85304); SALIENTIA(85306); GALLIFORMES(8553-
 6); SUIDA(85740); HOMINIDAE(86215); CRICETIDAE(86310);
 MURIDA(86375)

AMPHIBIAN MESODERM
 FORMAN D SLACK J M W
 IMP, CANCER RES, FUND, MILL HILL LAB., BURTONHOLE LANE,
 LONDON NW7 1AD, ENGL., UK.

20014577
 SUB CELLULAR COMPARTMENTATION AND BIOLOGICAL FUNCTIONS OF
 MERCAPTO PYRVATE SULFUR TRANSFERASE EC-2.8.1.2 AND RHODANSE

KOU A
 INST. MOL. BIOL., JAGIELLONIAN UNIV., GRDZKA 53, 31-001
 KRAKOW, POL.

GAUILLIN, D., G. E. GAULL AND V. ZAPPAL (ED.), NATURAL
 SULFUR COMPOUNDS: NOVEL BIOCHEMICAL AND STRUCTURAL ASPECTS;
 3RD INTERNATIONAL MEETING ON LOW MOLECULAR WEIGHT
 SULFUR-CONTAINING NATURAL PRODUCTS, ROME, ITALY, JUNE 18-21,
 1979. XV+552P. PLENUM PRESS: NEW YORK, N.Y., USA; LONDON,
 ENGLAND, ILLUS. ISBN 0-306-40335-8. O (0). 1980. P493-504.
 Coden: 09272

Language: ENGLISH
 Descriptors: TROUT AXOLOTL FROG LIZARD PIGEON HAMSTER RAT
 LIVER MITOCHONDRIA THIO SULFATE REDUCTASE
 Concept codes: GENL BIOL-SYMPOSA,PROCDNGS,REVVW(00520);
 CYTOLOGY/CYTOCHEM-ANIMAL(*2506); COMPARATIVE BIOCHEM-GENL
 STUDIES(*10010); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(100-
 64); MINERALS(10069); BIOPHYS-BIOCYBERNETICS(10515); ENZYMES--
 GEN,COMPAR STU,COENZYMS(*10802); ENZYMES-PHYSIOLOGICAL
 STUDIES(*10808); MINERALS(*13010); DIGESTIVE SYST-PHYSIOL,BIO-
 CHEM(14004)

Biosystemic codes: OSTEGITHYES(85206); CAUDATA(85304);
 SAURIA(85408); COLUMBIFORMES(85524);
 CRICETIDAE(86310); MURIDA(86375)

20013217
 DETERMINATION AND CELLULAR COMMITMENT IN THE EMBRYONIC

AMPHIBIAN MESODERM
 FORMAN D SLACK J M W
 IMP, CANCER RES, FUND, MILL HILL LAB., BURTONHOLE LANE,
 LONDON NW7 1AD, ENGL., UK.

NATURE (LOND) 286 (5772). 1980. 492-494. Coden: NATUA
 Language: ENGLISH
 Descriptors: NOTE AXOLOTL AMBYSTOMA-MEXICANUM MUSCLE
 GRAFTING CULTURE
 Concept codes: CYTOLOGY/CYTOCHEM-ANIMAL(*2506); ANATOMY/HI-

STOL-EXPERIMENTAL(11104);
 ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); MUSCLE SYST-GENL
 STUDES,METHS(17501); MUSCLE SYST-PHYSIOL,BIOCHEM(*17504);
 DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GENL
 MORPHGENSIS(*25508); TISS CULTURE-APPARAT,METHS,MEDIA(32500)

Biosystemic codes: CAUDATA(85304)

20013150
 TUBULIN POOLS SYNTHESIS AND UTILIZATION

FULTON C; SIMPSON P A
 DEP. BIOL., BRANDEIS UNIV., WALTHAM, MASS. 02154, USA.
 ROBERTS, K. AND J. D. HYAMS (ED.), MICROTUBULES. XVI+595P.
 ACADEMIC PRESS: NEW YORK, N.Y., USA; LONDON, ENGLAND, ILLUS.
 ISBN 0-12-590750-8. O (0). 1979 (RECD. 1980). P117-174.
 Coden: 09723

20003761

MATERNAL EFFECT GENES IN THE MEXICAN AXOLOTL AMBYSTOMA-MEXICANUM

MALACINSKI G M; SPIETH J
DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA 47401, USA.
NEWT, D. R. AND M. BALLS (ED.). BRITISH SOCIETY FOR
DEVELOPMENTAL BIOLOGY SYMPOSIUM, NO. 4. MATERNAL EFFECTS IN
DEVELOPMENT; EXETER, ENGLAND, SEPT. 19-21, 1978. VII+420P.
CAMBRIDGE UNIVERSITY PRESS: NEW YORK, N.Y., USA; CAMBRIDGE,
ENGLAND. ILLUS. ISBN 0-521-22685-6. 0 (0). 1979 (RECD.
1980). P241-268. Coden: SBSBD

Language: ENGLISH

Descriptors: REVIEW NO CLEAVAGE MUTANT CLEAVAGE DEFECT
MUTANT VASO DILATATION MUTANT FLUID IMBALANCE MUTANT OVA
DEFICIENT MUTANT

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-ANIMAL(02506);
GENETICS/CYTOGENET-ANIMAL(*03506); ECOLOGY-WATR RESRCH,FISHERY
BIOL(07517); PATHOLOGY-GENERAL STUDIES(*12502); PATHOLOGY-INF-
LAMMATN,INFLAM DIS(12508); CARDIOVASC SYST-BLD VESS
PATHOL(*14508); BLOOD/BODY FLDS-OTHER BODY FLDS(*15010);
REPRODUCT SYST-GENL STUDS,METHS(16501); REPRODUCT SYST-PATHOL-
OGY(*16506); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(25502);
DEVELOPMNTL BIOL-PATHOLOGICAL(*25503); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(25508)

Biosystematic Codes: CAUDATA(85304)

70077603

FREE CALCIUM CHANGES ASSOCIATED WITH HORMONE ACTION IN AMPHIBIAN OOCYTES

MOREAU M; VILAIN J P; GUERRIER P
STN. BIOL., 29211 ROSCOFF, FR.
DEV BIOL 78 (1). 1980. 201-214. Coden: DEBIA

Language: ENGLISH

Descriptors: XENOPUS-LAEVIS AMBYSTOMA-MEXICANUM PLEURODELES-
WALTII STARFISH COMPARISON PROGESTERONE HORMONE-DRUG P
HYDROXYMETHYLENE SULFONATE MAGNESIUM VALINOMYCIN THEOPHYLLINE
PROCAINE METABOLIC-DRUG OBELIN AEQUORIN GERMINAL VESICLE
BREAKDOWN MEIOSIS 2ND MESSENGER

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-
YTOGENET-ANIMAL(*03506); BIOCHEM STUD-GENERAL(10060); BIOCHEM
STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM STUD-PROTEINS,PEPTID-
ES,AMINO ACD(10064); BIOCHEM STUD-STEROLS,STEROIDS(10067);
MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504);
BIOPHYS-MEMBRANE PHENOMENA(*10508); PHYSIOLOGY-COMPARATIVE(12-
003); MINERALS(*13010); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504)
; ENDOCRINE SYST-GONADS.PLACENTA(*17006); PHARMACOL-DRUG
METAB,METAB STIMU(22003); PHARMACOL-ENDOCRINE SYST(*22016);
PHARMACOL-REPRODUCT SYST,IMPLANT(*22028); CHEMOTHERAPY-GEN
STUD,METH,METAB(38502); PLANT PHYSIOL-CHEM CONSTITUENTS(51522)
; PHARMACOGNOSY/PHARMACEUT BOTANY(54000); INVERTB
PHYSIOL-ECHINODERMATA(64048)

Biosystematic Codes: THEACEAE(26845); ASTEROIDEA(83100);
CAUDATA(85304); SALIENTIA(85306)

70076911

INDUCING EFFECTS OF THE GRAY CRESCENT REGION OF EARLY DEVELOPMENTAL STAGES OF AMBYSTOMA-MEXICANUM

ASASHIMA M
INST. MOL. BIOCHEM., FREIE UNIV. BERL., ARNIMALLEE 22,
D-1000 BERLIN 33, W. GER.
WILHELM ROUX'S ARCH DEV BIOL 188 (2). 1980. 123-126.

Coden: WRABD

Language: ENGLISH

Descriptors: NEURAL TISSUE MESODERMAL ORGANS
Concept Codes: NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS
SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL BIOL-EXPERIMENTAL(*-
25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

70065633

THE ROLE OF THE BUFFER IN THE FIXATION OF BIOLOGICAL SPECIMENS FOR TRANSMISSION ELECTRON MICROSCOPY AND SCANNING ELECTRON MICROSCOPY

SCHIFF R I; GENNARO J F JR
LAB. CELL. BIOL., DEP. BIOL., N.Y. UNIV., GRAD. SCH. ARTS
SCI., WASHINGTON SQ., NEW YORK, N.Y. 10003, USA.
SCANNING 2 (3). 1979 (RECD. 1980). 135-148. Coden:
SCNND

Language: ENGLISH

Descriptors: CHICK EMBRYO EPI BLAST FROG LUNG SECRETORY
EPITHELIAL CELL RAT LUNG PNEUMOCYTE AXOLOTL NEURO BLAST CELLS
RESPIRATORY PARENCHYMA NEURAL TUBE CELLS

Concept Codes: GENERAL LABORATORY METHODS(*01004); GENERAL
LABORATORY APPARATUS(*01006); MICROSCOPY-CYTOLOG,CYTOCHEM
TECH(*01054); MICROSCOPY-HISTOL,HISTOCHEM TECH(*01056);
ELECTRON MICROSCOPY(*01058); CYTOLOGY/CYTOCHEM-ANIMAL(02506);
BIOCHEM STUD-GENERAL(10060); ANATOMY/HISTOL-MICRO,ULTRAMICRSC-
(*11108); RESPIRATORY SYST-GENL STUD,METHS(16001); NERVOUS
SYST-GENL STUDS,METHS(20501); DEVELOPMNTL BIOL-GENL,DESCRIPTI-
VE(25502)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306);
GALLIFORMES(85536); MURIDAE(86375)

70064464 ANALYSIS OF PLASMA PROTEINS AND LACTIC DEHYDROGENASE IN 2

AMBYSTOMATIDAE AND THEIR HYBRIDS
GAUB-Plichon M P; Gallien C L
LAB. BIOL. DEV., UNIV. RENE DESCARTES, 45 RUE ST.-PERES,
75270 PARIS CEDEX 06, FR.

Coden: BZFA
BULL SOC Zool FR 103 (3) 1978 (RECD. 1979) 333-344.

Language: FRENCH
Descriptors:

AMBYSTOMA-DUMERILII-X-AMBYSTOMA-MEXICANUM-ALBICANS
AMBYSTOMA-MEXICANUM-ALBICANS
AMBYSTOMA-MEXICANUM-MEXICANUM-NIGRICANS AM-

BYSTOMA-DUMERILII LARVAL LETHALITY ELECTROPHORESIS
Concept Codes: GENETICS/CYTOGENET-ANIMAL(*03506); ECOLOGY-W-

ATR RESRCH.FISHERY BIOL(07517); COMPARATIVE BIOCHEM-GENL
STUDIES(*10010); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054);

BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064); BIOPHYS-GENE-

RAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP,MACROMOLEC(1050-

6); ENZYMES-GEN,COMPAR STUD,COENZYM(*10802); ENZYMES-METHODS-

(10804); ENZYMES-CHEM,PHYSICAL STUDIES(10806); ENZYMES-PHYSIO-

LOGICAL STUDIES(*10808); MOVEMENT(12100); PATHOLOGY-NECROSIS(-

12510); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); BLOOD/BODY

FLODS-GENL STUDS,METHS(15001); BLOOD/BODY FLDS-BLOOD,LMPH

STUD(*15002); DEVELOPMNTL BIOL-PATHOLOGICAL(*25503); CHORDATE

TAXONOMY-AMPHIBIA(*62514)
Biosystematic Codes: CAUDATA(85304)

70059179

CONSTANT OCCURRENCE OF AN IPSILATERAL RETINO TECTAL

PROJECTION IN THE AXOLOTL AMBYSTOMA-MEXICANUM REVEALED BY
HORSE RADISH PEROXIDASE TRACING
INGHAM C A; GULDNER F-H
DEP. BEHAV. BIOL., RES. SCH. BIOL. SCI., AUST. NATL. UNIV.,
P.O. BOX 475, CANBERRA, A.C.T. 2601, AUST.

NEUROSCI LETT 17 (1-2) 1980. 17-22. Coden: NELED

Language: ENGLISH
Descriptors: VERTEBRATE

Concept Codes: MICROSCOPY-GENL,SPECL TECHNIQUES(01052);

MICROSCOPY-HISTOL,HISTOCHEM TECH(01056); ELECTRON MICROSCOPY(-

01058); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO AC(10064);

BIOCHEM STUD-PORPHYRNS,BILE PIGM(10065); ENZYMES-METHODS(*108-

04); ANATOMY/HISTOL-COMPARATIVE(*1103); ANATOMY/HISTOL-EXPER-

IMENTAL(11104); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*1108); SEN-

SE ORGANS-GENL STUDS,METHS(20001); SENSE ORGANS-ANATOMY(*2000-

2); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004); NERVOUS SYST-GENL

STUDS,METHS(*20501); NERVOUS SYST-ANATOMY(*20502); NERVOUS

SYST-PHYSIOL,BIOCHEM(*20504); PLANT PHYSIOL-ENZYMES(51518)
Biosystematic Codes: CRUCIFERAE(25880); VERTEBRATA-UNSPECIF-
IED(85150); CAUDATA(85304)
70054875 ULTRASTRUCTURE OF THE RENAL JUXTAGLOMERULAR COMPLEX AND PERI
POLAR CELLS IN THE AXOLOTL AMBYSTOMA-MEXICANUM AND TOAD
BUFO-MARINUS

HANNER R H; RYAN G B
DEP. ANAT., UNIV. MELB., PARKVILLE, VICTORIA 3052, AUST.

J ANAT 130 (3) 1980. 445-455. Coden: JOANA

Language: ENGLISH
Descriptors: MAMMAL JUXTAGLOMERULAR ARTERIOLAR MYO

EPITHELIAL CELL SODIUM CHLORIDE EXOCYTOSIS
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-AN-

IMAL(*07508); ECOLOGY-WATR RESRCH.FISHERY BIOL(07517);

MINERALS(10069); ANATOMY/HISTOL-COMPARATIVE(*1103); ANATOMY/-

HISTOL-MICRO,ULTRAMICRSC(*11108);

PHYSIOLOGY-COMPARATIVE(*12003); MINERALS(*13010); CARDIOVASC

SYST-ANATOMY(14502); URIN SYST/EXT SECR-ANATOMY(*15502); URIN

SYST/EXT SECR-PHYSL,BIOCHEM(*15504); MUSCLE SYST-ANATOMY(1750-

2); DEVELOPMNTL BIOL-GENL,DESCRPTIVE(*25502)
Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306);

MAMMALIA-UNSPECIFIED AND EXINCT(85700)

70054285 PROPIONATE AND CYCLO HEXIMIDE REVERSIBLY BLOCK PROGESTERONE

INDUCED CALCIUM SURGE IN AMBYSTOMA-MEXICANUM OOCYTES
VILAIN J P; MOREAU M; GUERRIER P
UNIV. LILLE I, BP 36, VILLENEUVE D'ASCO, FR.

DEV GROWTH DIFFER 22 (1) 1980. 25-32. Coden: DGDA

Language: ENGLISH
Descriptors: METABOLIC-DRUG GERMINAL VESICLE BREAKDOWN

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-

YTOGENET-ANIMAL(03506); BIOCHEM STUD-GENERAL(10060); BIOCHEM

STUD-PROTEINS,PEPTIDES,AMINO AC(10064); BIOCHEM STUD-STEROLS-

,STERIODS(10067); MINERALS(10069); MINERALS(*13010); METABOLI-

SM-PROTNS,PEPTDS,AM ACDS(*13012); REPRODUCT SYST-GENL

STUDS,METHS(16501); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504);

ENDOCRINE SYST-GONADS,PLACENTA(*17006); PHARMACOL-DRUG

METAB,METAB STIMU(*22003); PHARMACOL-ENDOCRINE SYST(*22016);

PEST CONTRL GENL/PESTICS/HERBICS(54600)
Biosystematic Codes: CAUDATA(85304)

70054875 ULTRASTRUCTURE OF THE RENAL JUXTAGLOMERULAR COMPLEX AND PERI

POLAR CELLS IN THE AXOLOTL AMBYSTOMA-MEXICANUM AND TOAD
BUFO-MARINUS

70049427

THE ASSOCIATION OF PRIMARY EMBRYONIC ORGANIZER ACTIVITY WITH THE FUTURE DORSAL SIDE OF AMPHIBIAN EGGS AND EARLY EMBRYOS

MALACINSKI G M; CHUNG H-M; ASASHIMA M
DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA 47405, USA.
DEV BIOL 77 (2). 1980. 449-462. Coden: DEBIA

Language: ENGLISH

Descriptors: XENOPUS-LAEVIS RANA-NIGROMACULATA AMBYSTOMA-MEXICANUM DORSAL CELL

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-WATER RESRCH, FISHERY BIOL(07517); ANATOMY/HISTOL-REGEN, TRANSPLANT(11107); DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GENL MORPHGENSIS(*25508); TISS CULTURE-APPARAT, METHS, MEDIA(32500)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

70047352

HIGH DENSITY CELL WATER IN AMPHIBIAN EGGS

MILD K H; LOVTRUP S; FORSLIND E
NATL. BOARD OCCUP. SAF. HEALTH, DEP. OCCUP. HEALTH, UMEA HOSP., S-901 85 UMEA, SWED.

J EXP BIOL 83 (0). 1979 (RECD. 1980). 305-314. Coden: JEBIA

Language: ENGLISH

Descriptors: RANA-TEMPORARIA AMBYSTOMA-MEXICANUM

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); RADIATION BIOL-RADTN, ISOTOP TECH(06504); BIOCHEM-PHYSIOLOGL WATER STUD(*10011); BIOPHYS-MOLECUL PROP, MACROMOLEC(*10506); BIOPHYS-MEMBRANE PHENOMENA(10508); REPRODUCT SYST-GENL STUDS, METHS(16501); REPRODUCT SYST-PHYSIOL, BIOCHEM(*16504)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

70045459

LYSO PHOSPHATIDYL CHOLINE FACILITATES LABELING OF CENTRAL NERVOUS SYSTEM PROJECTIONS WITH HORSERADISH PEROXIDASE

FRANK E; HARRIS W A; KENNEDY M B
DEP. NEUROBIOL., HARV. MED. SCH., BOSTON, MASS. 02115, USA.
J NEUROSCI METHODS 2 (2). 1980. 183-190. Coden: JNMED

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM RANA-CATESBIANA L-ALPHA LYSO PHOSPHATIDYL CHOLINE DETERGENT MEMBRANE DISRUPTION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOCHEM STUD-PORPHYRNS, BILE PIGM(10065); BIOPHYS-MEMBRANE PHENOMENA(*10508); ENZYMES-METHODS(*10804); MOVEMENT(12100); NERVOUS SYST-GENL STUDS, METHS(*20501); NERVOUS SYST-ANATOMY(*20502); NERVOUS SYST-PHYSIOL, BIOCHEM(*20504); PLANT PHYSIOL-ENZYMES(51518)

Biosystematic Codes: CRUCIFERAE(25880); CAUDATA(85304); SALIENTIA(85306)

ELECTRICAL ACTIVITY IN CARDIAC MUTANT AXOLOTL AMBYSTOMA-MEXICANUM HEARTS

EPSTEIN M L; LEMANSKI L F
DEP. ANAT., UNIV. WIS., MADISON, WIS. 53706, USA.
J EXP Zool 211 (2). 1980. 131-136. Coden: JEZOA

Language: ENGLISH

Descriptors: EMBRYO ACTION POTENTIAL IONIC COUPLING GAP JUNCTION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/CYTOGENET-ANIMAL(*03506); ECOLOGY-WATER RESRCH, FISHERY BIOL(07517); BIOPHYS-GENERAL STUDIES(*10502); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MEMBRANE PHENOMENA(10508); PHYSIOLOGY-INSTRUMENTATION(12004); MOVEMENT(12100); PATHOLOGY-NECROSIS(12510); CARDIOVASC SYST-GENL STUDS, METHS(14501); CARDIOVASC SYST-PHYSIOL, BIOCHEM(14504); CARDIOVASC SYST-HEART PATHOLOGY(*14506); DEVELOPMNTL BIOL-PATHOLOGICAL(*25503)

Biosystematic Codes: CAUDATA(85304)

70032058

TRANSMITTER RELEASE FROM NERVE TERMINALS UNDERGOING SUPPRESSION

WIGSTON D J
DEP. PHYSIOL. BIOPHYS., WASH. UNIV. SCH. MED., 600 S. EUCLID AVE., ST. LOUIS, MO. 63110, USA.

BRAIN RES 190 (1). 1980. 175-184. Coden: BRREA

Language: ENGLISH

Descriptors: AXOLOTL SUPRACORACOIDEUS MUSCLE END PLATE POTENTIAL FREQUENCY POTASSIUM CALCIUM ELECTRICAL STIMULATION

Concept Codes: MINERALS(10069); BIOPHYS-GENERAL STUDIES(*10502); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MEMBRANE PHENOMENA(*10508); EXTERN EFF-ELECTR, MAGNET, GRAVITY(10610); MOVEMENT(12100); MINERALS(*13010); MUSCLE SYST-ANATOMY(17502); MUSCLE SYST-PHYSIOL, BIOCHEM(*17504); NERVOUS SYST-ANATOMY(20502); NERVOUS SYST-PHYSIOL, BIOCHEM(*20504); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504)

Biosystematic Codes: CAUDATA(85304)

70037111

70022101

EMBRYO SURFACE MORPHOLOGY DURING POST GASTRULA DEVELOPMENT OF THE FROG BOMBINA-ORIENTALIS AS REVEALED BY SCANNING ELECTRON MICROSCOPY

ELLINGER M S; MURPHY J A
 DEP. ZOOL., SOUTH. ILL. UNIV., CARBONDALE, ILL. 62901, USA.
 J ANAT 129 (2). 1979. 361-376. Coden: J0ANA
 Language: ENGLISH
 Descriptors: RANA-PIPIENS AMBYSTOMA-MEXICANUM AMPHIBIAN

ADHESIVE ORGAN GILL FILAMENT EPIDERMAL CELL
 Concept Codes: ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHE-
 M-ANIMAL(*02506); BIOCHEM STUD-GENERAL(10060); BIOPHYS-MOLECUL
 PROP,MACROMOLEC(10506); ANATOMY/HISTOL-COMPARATIVE(11103);
 ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108);
 PHYSIOLOGY-COMPARATIVE(12003); URIN SYST/EXT SECR-ANATOMY(155-
 02); RESPIRATORY SYST-ANATOMY(16002); REPRODUCT SYST-PHYSIOL,-
 BIOCHEM(16504); INTREGUMENT SYST-ANATOMY(*18502); INTREGUMENT
 SYST-PHYSIOL,BIOCHEM(*18504); TOXICOL-GENL/EXP STDS,METHS(22-
 501); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*2502); DEVELOPMNTL
 BIOL-PATHOLOGICAL(25503); DEVELOPMNTL BIOL-EXPERIMENTAL(*2550-
 4); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Bio systematic Codes: AMPHIBIA-UNSPECIFIED(85300); CAUDATA(8-
 5304); SALIENTIA(85306)
SURVEY OF THE NUMBERS AND SPECIES OF AMPHIBIA USED IN THE UK IN 1977
 DONNELLY H I
 MED. RES. COUNC. LAB. ANIM. CENT., WOODMANSTERNE RD.,
 CARSHALTON, SURREY SM5 4EF, ENGL., UK.
 LAB ANIM 14 (1). 1980. 65-70. Coden: LBANA
 Language: ENGLISH
 Descriptors: RANA-TEMPORARIA XENOPUS-LAEVIS AMBYSTOMA-MEXIC-
 ANUM RED LEG BREEDING MORTALITY TEACHING
 Concept Codes: GENL BIOL-TXTRKS,EDUCATN,AUD-VIS(*00514);
 GENERAL FIELD METHODS(*01008); PATHOLOGY-NECROSIS(12510);
 REPRODUCT SYST-GENL STDS,METHS(*16501); LABORATORY
 ANIMALS-GENL STDS(*2802); MED/CLIN MICROBIOL-GEN,METH,TECH(-
 36001); PUB HEALTH-EPIZOOTIOLOGY(37003)
 Bio systematic Codes: MICROORGANISMS-UNSPECIFIED(01000);
 AMPHIBIA-UNSPECIFIED(85300); CAUDATA(85304); SALIENTIA(85306)

CRICETUS-CRICETUS RATUS GLUTAMATE DEHYDROGENASE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-WA-
 TR RESRCH,FISHERY BIOL(07517); COMPARATIVE BIOCHEM-GENL
 STUDIES(*10010); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(100-
 64); MINERALS(10069); ENZYMES-GEN,COMPAR STUD,COENZYMS(*10802)
 ; ENZYMES-PHYSIOLOGICAL STUDIES(*10808); MINERALS(*13010);
 DIGESTIVE SYST-PHYSIOL,BIOCHEM(*14004)
 Bio systematic Codes: OSTEICHTHYES(85206); CAUDATA(85304);
 SALIENTIA(85306); SAURIA(85408); SERPENTES(85410); COLUMBIFOR-
 MES(85524); CRICETIDAE(86310); MURIDAE(86375)

EXPERIMENTAL ALTERATIONS TO THE OSSEOUS PALATE IN THE LARVAL AXOLOTL AMBYSTOMA-MEXICANUM AND THEIR RESULTS DURING METAMORPHOSIS

CLEMEN G
 ZOOL. INST., UNIV. MUENSTER, HUEFFERSTR. 1, D-4400 MUENSTER,
 W. GER.
 Zool ANZ 203 (1-2). 1979. 23-34. Coden: ZOANA
 Language: GERMAN
 Descriptors: VOMERO PALATINUM DENTAL LAMINA
 Concept Codes: ANATOMY/HISTOL-EXPERIMENTAL(11104); BONE,UNT-
 S,FASC,CONN/ADIP-GENL(18001);
 BONE,UNTS,FASC,CONN/ADIP-PHY,BCH(*18004); DENTAL/ORAL BIOL-GE-
 NL STUD,METHS(19001); DENTAL/ORAL BIOL-PHYSIOL,BIOCHEM(*19004)
 DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*2502); DEVELOPMNTL
 BIOL-GEN MORPHGENSIS(*25508)
 Bio systematic Codes: CAUDATA(85304)

7009066

SUB CELLULAR COMPARTMENTATION OF RHODANSE EC-2.8.1.1 AND 3 MERCAPTO PYRUVATE SULFUR TRANSFERASE EC-2.8.1.2 IN THE LIVER OF SOME VERTEBRATE SPECIES

DUDEK M; FRENDO J; KOU A
 INST. MED. BIOCHEM., MED. ACAD., KOPERNIKA 7, 31-034 KRAKOW,
 POL.
 COMP BIOCHEM PHYSIOL B COMP BIOCHEM 65 (2). 1980.
 383-386. Coden: CBPBB
 Language: ENGLISH
 Descriptors: SALMO-GAIRDNERI-IRIDEUS AMBYSTOMA-MEXICANUM
 RANA-TEMPORARIA LACERTA-VIRIDIS NATRIX-NATRIIX COLUMBA-LIVIA

70006064
**PROTEIN INCORPORATION BY ISOLATED AMPHIBIAN OOCYTES
COMPARISON OF AUTOLOGOUS AND XENOGENEIC VITELLOGENINS**

WALLACE R A; DEUFEL R A; MISULOVIN Z
BIOL. DIV., OAK RIDGE NATL. LAB., OAK RIDGE, TENN. 37830,
USA.

COMP BIOCHEM PHYSIOL B COMP BIOCHEM 65 (1). 1980.
151-156. Coden: CBPBB

Language: ENGLISH

Descriptors: XENOPUS-LAEVIS RANA-PIPIENS AMBYSTOMA-MEXICANUM
AMPHIUMA-MEANS HYLA-VERSICOLOR TERRAPENE-CAROLINA COLUMBA-LIV-
IA

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); RADIATION
BIOL-RADTN,ISOTOP TECH(06504); BIOCHEM STUD-PROTEINS,PEPTIDES-
AMINO ACD(10064); PHYSIOLOGY-COMPARATIVE(*12003); METABOLISM-
PROTNS,PEPTDS,AM ACD(*13012); BLOOD/BODY FLDS-BLOOD,LYMPH-
STUD(15002); REPRODUCT SYST-GENL STUDS,METHS(16501); REPRODUCT
SYST-PHYSIOL,BIOCHEM(*16504); TISS CULTURE-APPARAT,METHS,MEDI-
A(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306);
CHELONIA(85402); COLUMBIFORMES(85524)

70000350
**HEMO GLOBINS OF AN AMPHIBIAN THE NEOTENOUS
AMBYSTOMA-MEXICANUM COMPLETE AMINO-ACID SEQUENCE OF THE ALPHA
CHAIN OF THE MAJOR COMPONENT USING AUTOMATIC SOLID PHASE EDMAN
DEGRADATION**

BOISSEL J-P; WAJCMAN H; LABIE D
INST. PATHOL. MOL., 24 RUE DU FAUBOURG-ST.-JACQUES, F-75014
PARIS, FR.

EUR J BIOCHEM 103 (3). 1980. 613-622. Coden: EJBCA

Language: ENGLISH

Descriptors: MAMMAL TARICHA-GRANULOSA VERTEBRATE MOLECULAR
EVOLUTION PHYLOGENY

Concept Codes: EVOLUTION(*01500); COMPARATIVE BIOCHEM-GENL
STUDIES(*10010); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054);
BIOCHEM METH-PORPHYRNS,BILE PIGM(10055); BIOCHEM STUD-GENERAL-
(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(*10064);
BIOCHEM STUD-PORPHYRNS,BILE PIGM(10065); BIOPHYS-MOLECUL
PROP,MACROMOLEC(*10506); ENZYMES-METHODS(10804); BLOOD/BODY
FLDS-BLOOD CELL STUDS(*15004); CHORDATE TAXONOMY-AMPHIBIA(*62-
514)

Biosystematic Codes: VERTEBRATA-UNSPECIFIED(85150); CAUDATA-
(85304); MAMMALIA-UNSPECIFIED AND EXTINCT(85700)

69077001
**NEURAL CREST CELL MIGRATION IN RELATION TO EXTRACELLULAR
MATRIX ORGANIZATION IN THE EMBRYONIC AXOLOTL TRUNK**

LOFBERG J; AHLFORS K; FALLSTROM C
INST. ZOOL., UPPS. UNIV., BOX 561, S-751 22 UPPSALA, SWED.
DEV BIOL 75 (1). 1980. 148-167. Coden: DEBIA

Language: ENGLISH

Descriptors: SCANNING ELECTRON MICROSCOPY TRANSMISSION
ELECTRON MICROSCOPY LIGHT MICROSCOPY

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); MOVEMENT(12100);
NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-ANATOMY(*2-
0502); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL
BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENS-
IS(*25508)

Biosystematic Codes: CAUDATA(85304)

69063352

**KARYORRHESIS AND KARYOLYSIS OF MESENCHYMAL CELLS IN THE
INTESTINAL EPITHELIUM OF AMPHIBIANS AND MAMMALS WITH EVIDENCE
FOR SUCCESSFUL DIFFERENTIATION OF SOME MESENCHYMAL CELLS INTO
EPITHELIAL CELLS**

ANDREW W; ANDREW N V
DEP. ANAT., INDIANA UNIV., 1100 W. MICHIGAN ST.,
INDIANAPOLIS, INDIANA 46202, USA.
OKAJIMAS FOLIA ANAT JPN 56 (2-3). 1979. 91-158. Coden:

OFAJA

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM MEGALOBATRACHUS-JAPONICUS
RAT MOUSE CELL MIGRATION LYMPHOCYTES NUCLEAR CONTENT
TRANSFORMATION

Concept Codes: MICROSCOPY-GENL,SPECL TECHNIQUES(01052);
ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
GENETICS/CYTOGENET-ANIMAL(03506);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108);
PHYSIOLOGY-COMPARATIVE(12003); MOVEMENT(12100); PATHOLOGY-NEC-
ROSIS(12510); DIGESTIVE SYST-GENL STUDS,METHS(14001);
DIGESTIVE SYST-ANATOMY(*14002); DIGESTIVE SYST-PHYSIOL,BIOCHE-
M(*14004); BLOOD/BODY FLDS-GENL STUDS,METHS(15001); BLOOD/BODY
FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY FLDS-LYMPHAT
TISS.RES(*15008); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304); MURIDAE(86375)

69063227
EVIDENCE FOR A DNA LIGASE CHANGE RELATED TO EARLY CLEAVAGE
IN AXOLOTL AMBYSTOMA-MEXICANUM EGG
DAVID J-C; VINSON D; LEFRESNE J; SIGNORET J
LAB. BIOCHIM. DEV., INST. RECH. BIOL. MOL., UNIV. PARIS VII,
2 PL. JUSSIEU, 75221 PARIS CEDEX 05, FR.
CELL DIFFER 8 (6), 1979 (RECD. 1980), 451-460. Coden:

CLDFA
Language: ENGLISH
Descriptors: SUCROSE GRADIENT CHROMATOGRAPHY PHOSPHO
CELLULOSE CHROMATOGRAPHY N ETHYL MALEIMIDE SENSITIVITY HEAT
STABILITY

Concept Codes: GENETICS/CYTOGENET-ANIMAL(*03506); BIOCHEM
METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-GENERAL(10060);
BIOCHEM STUD-NUCL ACID,PURNS,PYRM(10062); BIOCHEM STUD-PROTEIN-
S,PEPTIDES,AMINO ACID(10064); BIOCHEM STUD-CARBOHYDR.(10068);
REPLICATN,TRANSCRIPTN,TRANSLATN(*10300); BIOPHYS-GENERAL BIOP-
HYS TECH(10504); EXTERN EFF-HOT(10618); ENZYMES-METHODS(10804)
METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); METABOLISM-NUCL
ACD,PURINS,PYRIM(*13014); REPRODUCT SYST-GENL STUDS,METHS(165-
01); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504); TEMPERATURE-GENL-
METHS(23001); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502);

Biosystematic Codes: CAUDATA(85304)
DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

69063220
THE FUNCTION OF THE SODIUM PUMP DURING DIFFERENTIATION OF
AMPHIBIAN EMBRYONIC NEURONS
MESSENGER E A; WARNER A E
DEP. ANAT. EMBRYOL., UNIV. COLL. LOND., GOWER ST., LONDON
WC1E 6BT, ENGL., UK.
J PHYSIOL (LOND) 292 (O), 1979, 85-106. Coden: JPHYA
Language: ENGLISH
Descriptors: XENOPUS-LAEVIS AMBYSTOMA-MEXICANUM MOUSE
SALIVARY GLAND STRIATED MUSCLE CELLS PIGMENT CELLS HEXA HYDRO
SCILLAREN A STROPHANTHIDIN METABOLIC-DRUG NERVE GROWTH FACTOR
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM STUD-GENERAL(10060);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064); BIOCHEM
STUD-STEROLS,STEROIDS(10067); BIOCHEM STUD-CARBOHYDR.(10068);
MINERALS(10069); ANATOMY/HISTOL-EXPERIMENTAL(11104); ENDOCRINE
SYST-GENERAL STUDIES(*17002); ENDOCRINE SYST-NEUROENDOCRINOLO-
GY(*17020); MUSCLE SYST-GENL STUDS,METHS(17501); DENTAL/ORAL
BIOLOGENL STUD,METHS(19001); NERVOUS SYST-GENL STUDS,METHS(20-
501); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); NERVOUS
SYST-PATHOLGY(*20506); PHARMACOL-DRUG METAB,METAB STIMUL(2200-
3); PHARMACOL-NEUROPHARMACOLGY(*22024); ROUTES OF
IMMUNIZ,INFECT,THERAP(22100); DEVELOPMNTL BIOL-GENL,DESCRIPTI-
VE(*25502); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL-
BIOL-GEN MORPHGENSIS(25508); TISS CULTURE-APPARAT,METHS,MEDIA-
(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600); PLANT
PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOSY/PHARMACEUT
BOTANY(54000)

Biosystematic Codes: APOCYNACEAE(25580); CAUDATA(85304);
SALIENTIA(85306); MURIDAE(86375)

69063213
AMINO-ACID TRANSPORT AND PROTEIN SYNTHESIS IN INDUCED
ECTODERM OF AMPHIBIAN EMBRYOS
MINUTH W; MINUTH M; TIEDMANN H
ANAT. INST. UNIV. HEIDELB., IM NEUENHEIMER FELD, 307,
D-6900 HEIDELBERG, W. GER.
WILHELM ROUX'S ARCH DEV BIOL 187 (3), 1979 (RECD. 1980),
211-218. Coden: WRABD
Language: ENGLISH
Descriptors: TRIURUS-ALPESTRIS AMBYSTOMA-MEXICANUM QUABAIV
METABOLIC-DRUG LEUCINE UPTAKE
Concept Codes: RADIATION BIOL-RADTN,ISOTOP TECH(06504);
BIOCHEM GASES(10012); BIOCHEM STUD-GENERAL(10060); BIOCHEM
STUD-PROTEINS,PEPTDS,AM AC(10054); BIOCHEM STUD-STEROLS-
S,PEPTIDES,AMINO ACID(10064); BIOCHEM STUD-STEROLS-
RANSCRIPTN,TRANSLATN(10300); BIOPHYS-MEMBRANE PHENOMENA(*1050-
8); MOVEMENT(12100); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012);
PHARMACOL-DRUG METAB,METAB STIMUL(*22003); DEVELOPMNTL
BIOL-EXPERIMENTAL(*25504); TISS CULTURE-APPARAT,METHS,MEDIA(3-
2500); IN VITRO STUDS-CELLULR,SUBCELL(32600); PLANT
PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOSY/PHARMACEUT
BOTANY(54000)
Biosystematic Codes: APOCYNACEAE(25580); CAUDATA(85304)

69057740

MELANOGENESIS IN OOCYTES OF WILD TYPE AND MUTANT ALBINO AXOLOTL

HARSA-KING M L
DEP. BIOL., MASS. INST. TECHNOL., 77 MASSACHUSETTS AVE.,
CAMBRIDGE, MASS. 02139, USA.
DEV BIOL 74 (2). 1980. 251-262. Coden: DEBIA
Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM SKIN HOMOGENATE MELANOSOME
OOGENESIS TYROSINE DOPA OXIDASE PROTEOLYTIC ENZYME
PHENYLMETHYL SULFONYL FLUORIDE INHIBITOR RADIO LABEL LIGHT
MICROSCOPY ELECTRON MICROSCOPY

Concept Codes: MICROSCOPY-GENL,SPECL TECHNIQUES(O1052);
ELECTRON MICROSCOPY(O1058); CYTOLOGY/CYTOCHEM-ANIMAL(*O2506);
GENETICS/CYTOGENET-ANIMAL(*O3506); MATHEMATIC BIOL/STATISTIC
METH(O4500); RADIATION BIOL-RADTN,ISOTOP TECH(O6504);
ECOLOGY-WATR RESRCH,FISHERY BIOL(O7517); BIOCHEM METH-PROTNS,-
PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
ACD(10064); BIOPHYS-MOLECUL PROP,MACROMOLEC(*10506); ENZYMES--
METHODS(10804); ENZYMES-CHEM,PHYSICAL STUDIES(*10806);
ENZYMES-PHYSIOLOGICAL STUDIES(*10808); ANATOMY/HISTOL-MICRO,U-
LTRAMICRSC(*11108); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012);
METABOLISM-METABOLIC DISORDERS(*13020); REPRODUCT SYST-GENL
STUDS,METHS(16501); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504);
INTEGUMENT SYST-GENL STUDS,METHS(18501); INTEGUMENT
SYST-PHYSIOL,BIOCHEM(18504); INTEGUMENT SYST-PATHOLOGY(*18506)
; DEVELOPMNTL BIOL-PATHOLOGICAL(25503); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

69055128

DISTAL TRANSFORMATION FROM DOUBLE HALF FORE ARMS IN THE AXOLOTL AMBYSTOMA-MEXICANUM

KRASNER G N; BRYANT S V
DEP. DEV. CELL BIOL., CENT. PATHOBIOL., UNIV. CALIF.,
IRVINE, CALIF. 92717, USA.

DEV BIOL 74 (2). 1980. 315-325. Coden: DEBIA

Language: ENGLISH

Descriptors: NEWT SALAMANDER POSITIONAL INFORMATION
AMPUTATION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*O2506); BIOPHYS-BI-
OCYBERNETICS(*10515); ANATOMY/HISTOL-GROSS(*11102); ANATOMY/H-
ISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); CHORDATE BODY
REGNS-EXTREMITIES(11318); PHYSIOLOGY-COMPARATIVE(12003); NERV-
OUS SYST-PHYSIOL,BIOCHEM(20504); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

69055127

REGENERATION OF SYMMETRICAL FORE LIMBS IN THE AXOLOTL AMBYSTOMA-MEXICANUM

HOLDER N; TANK P W; BRYANT S V

CENT. PATHOBIOL., UNIV. CALIF., IRVINE, CALIF. 92717, USA.
DEV BIOL 74 (2). 1980. 302-314. Coden: DEBIA

Language: ENGLISH

Descriptors: DISTAL TRANSFORMATION MODEL DIGITS AMPUTATION
SURGERY

Concept Codes: BIOPHYS-BIOCYBERNETICS(*10515); ANATOMY/HIST-
OL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMITIES(-
11318); PHYSIOLOGY-COMPARATIVE(12003); DEVELOPMNTL BIOL-GENL,-
DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

69043490

STEROIDOGENESIS IN AXOLOTL TESTIS HISTOCHEMISTRY OF 2 MAJOR ENZYMES RELATED TO CELL TYPE SPERMATOGENESIS AND SUBSTRATE

LAZARD L
INST. EMBRYOL., CNRS, COLL. FR., 49BIS AVE. DE LA
BELLE-GABRIELLE, 94130 NOGENT-SUR-MARNE, FR.

GEN COMP ENDOCRINOL 39 (3). 1979. 381-387. Coden: GCENA

Language: ENGLISH

Descriptors: DELTA-5-3-BETA HYDROXY STEROID DEHYDROGENASE
17-BETA HYDROXY STEROID DEHYDROGENASE LEYDIG CELL SERTOLI CELL

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(O1056);
CYTOLOGY/CYTOCHEM-ANIMAL(O2506); CIRCADIAN RHYTHM/PERIODIC
CYCLES(*O7200); COMPARATIVE BIOCHEM-GENL STUDIES(10010);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM
STUD-STEROLS,STEROIDS(10067); ENZYMES-GEN,COMPAR STUD,COENZYM-
S(10802); ENZYMES-CHEM,PHYSICAL STUDIES(10806); ENZYMES-PHYSI-
OLOGICAL STUDIES(*10808); METABOLISM-STEROLS,STEROIDS(*13008);
METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); REPRODUCT SYST-PHYS-
IOL,BIOCHEM(*16504); ENDOCRINE SYST-GONADS,PLACENTA(*17006);
DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL
BIOL-GEN MORPHGENSIS(25508)

Biosystematic Codes: CAUDATA(85304)

69028648
AXON CAP TARGET RECOGNITION IN NEUROGENESIS FORMATION OF THE MAUTHNER
 KIMMEL C B; SESSIONS S K; KIMMEL R J
 DEP. BIOL., UNIV. OREG., EUGENE, OREG. 97403, USA.
 PROC NATL ACAD SCI U S A 76 (9), 1979, 4691-4694.
 Coden: PNASA
 Language: ENGLISH
 Descriptors: BRACHYDANIO-RERIO AMBYSTOMA-MEXICANUM EMBRYO
 LARVAE EMBRYOGENESIS SYNAPTIC NEURONAL
 Concept codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-WA-
 TR RESRCH,FISHERY BIOL(07517); BIOPHYS-MEMBRANE PHENOMENA(*10-
 508); PHYSIOLOGY-COMPARATIVE(*12003); NERVOUS SYST-GENL
 STUDS,METHS(20501); NERVOUS SYST-ANATOMY(*20502); NERVOUS
 SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL BIOL-GENL,DESCRPTI-
 VE(*25502); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL
 BIOL-GEN MORPHGENSIS(*25508)
 Biosystematic Codes: OSTEICHTHYES(85206); CAUDATA(85304);
 SALIENTIA(85306)

69035767
ARTIFICIAL NEURAL CREST FORMATION IN AMPHIBIA
 ROLLHAUSER-TER HORST J
 ANAT. INST., VERSALIUSWEG 2-4, D-4400 MUENSTER, W. GER.
 ANAT EMBRYOL 157 (1), 1979, 113-120. Coden: ANEMD
 Language: ENGLISH
 Descriptors: AMBYSTOMA-MEXICANUM TRITURUS-ALPESTRIS TRITURU-
 S-TAENIATUS RETINA BRAIN MESCENCHYME MELANOPHORES CORIUM CELLS
 Concept codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
 CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
 ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
 ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108); INTEGUMENT SYST-GENL
 STUDS,METHS(18501); SENSE ORGANS-PHYSIOL,BIOCHEM(*20004);
 NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-ANATOMY(*2-
 0502); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504); DEVELOPMNTL
 BIOL-EXPERIMENTAL(*25504)
 Biosystematic Codes: CAUDATA(85304)

69034499
POSITIONAL INFORMATION IN THE FORE LIMB OF THE AXOLOTL
 AMBYSTOMA-MEXICANUM EXPERIMENTS WITH DOUBLE HALF TISSUES
 TANK P W
 DEP. ANAT., UNIV. ARKANSAS MED. SCI., 4301 W. MARKHAM,
 LITTLE ROCK, ARKANSAS 72201, USA.
 DEV BIOL 73 (1), 1979, 11-24. Coden: DEBIA
 Language: ENGLISH
 Descriptors: SKIN MUSCLE CONNECTIVE TISSUE
 Concept codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
 ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY
 REGNS-EXREMITIES(11318); MUSCLE SYST-GENL STUDS,METHS(17501);
 MUSCLE SYST-ANATOMY(17502); MUSCLE SYST-PHYSIOL,BIOCHEM(*1750-
 4); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(*18004); INTEGUMENT
 SYST-GENL STUDS,METHS(18501); INTEGUMENT SYST-ANATOMY(18502);
 INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504); DEVELOPMNTL BIOL-GEN
 MORPHGENSIS(*25508)
 Biosystematic Codes: CAUDATA(85304)

69024283
THE PATTERN OF INNERVATION OF A POLY NEURAL MUSCLE AXOLOTL
 AMBYSTOMA-MEXICANUM ILLIOTIBIALIS
 SLACK J R; DOCHERTY J R
 DEP. PHYSIOL., SCH. MED., UNIV. AUCL., PRIV. BAG, AUCKLAND
 1, N. Z.
 CELL TISSUE RES 186 (2), 1978 (RECD. 1979), 171-180.
 Coden: CTSRC
 Language: ENGLISH
 Descriptors: END PLATE SITE SEPARATION ACETYL CHOLINE
 IONTOPHORESIS SELECTIVE RE INNERVATION
 Concept codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
 CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM STUD-PROTEINS,PEPTI-
 DES,AMINO ACD(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504);
 ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
 ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); MUSCLE SYST-GENL
 STUDS,METHS(17501); MUSCLE SYST-ANATOMY(*17502); MUSCLE
 SYST-PHYSIOL,BIOCHEM(*17504); NERVOUS SYST-GENL STUDS,METHS(2-
 0501); NERVOUS SYST-ANATOMY(*20502); NERVOUS SYST-PHYSIOL,BIO-
 CHEM(*20504)
 Biosystematic Codes: CAUDATA(85304)

69029960
INDUCTION OF TRI PLOID AND GYNOGENETIC DI PLOID AXOLOTLS
 AMBYSTOMA-MEXICANUM BY HYDROSTATIC PRESSURE
 GILLESPIE L B
 DEP. BIOL., UNIV. OTTAWA, OTTAWA, ONT. K1N 6N5, CAN.
 J EXP ZOOL 210 (1), 1979, 117-122. Coden: JEZDA
 Language: ENGLISH
 Descriptors: POLAR BODY ARTIFICIAL INSEMINATION UV
 IRRADIATION SURVIVAL
 Concept codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-
 YTOGENET-ANIMAL(*03506); RADIATION BIOL-RADTN,ISOTOP TECH(065-
 04); RADIATION BIOL-RADTN EFF,PROTECT(06506); EXTERN
 REPRODCT SYST-GENL STUDS,METHS(16501); REPRODCT SYST-PHYSIO-
 L,BIOCHEM(*16504); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504)
 Biosystematic Codes: CAUDATA(85304)

69029960
INDUCTION OF TRI PLOID AND GYNOGENETIC DI PLOID AXOLOTLS
 AMBYSTOMA-MEXICANUM BY HYDROSTATIC PRESSURE
 GILLESPIE L B
 DEP. BIOL., UNIV. OTTAWA, OTTAWA, ONT. K1N 6N5, CAN.
 J EXP ZOOL 210 (1), 1979, 117-122. Coden: JEZDA
 Language: ENGLISH
 Descriptors: POLAR BODY ARTIFICIAL INSEMINATION UV
 IRRADIATION SURVIVAL
 Concept codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-
 YTOGENET-ANIMAL(*03506); RADIATION BIOL-RADTN,ISOTOP TECH(065-
 04); RADIATION BIOL-RADTN EFF,PROTECT(06506); EXTERN
 REPRODCT SYST-GENL STUDS,METHS(16501); REPRODCT SYST-PHYSIO-
 L,BIOCHEM(*16504); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504)
 Biosystematic Codes: CAUDATA(85304)

69020796

THE DISTRIBUTION OF CELLS IN THE UPPER FORE LIMB OF THE AXOLOTL AMBYSTOMA-MEXICANUM

TANK P W; HOLDER N
DEP. ANAT.-510, UNIV. ARKANSAS MED. SCI., 4301 W. MARKHAM,
LITTLE ROCK, ARKANSAS 72201, USA.
J EXP ZOO 209 (3). 1979. 435-442. Coden: JEZOA

Language: ENGLISH

Descriptors: TISSUE COMPONENTS LIMB QUADRANTS CELL DENSITY

Concept Codes: MICROSCOPY-GENL,SPECL TECHNIQUES(01052);
MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054); CYTOLOGY/CYTOCHEM-AN-
IMAL(*02506); ANATOMY/HISTOL-COMPARATIVE(11103); ANATOMY/HIST-
OL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); CHORDATE BODY
REGNS-EXTREMITIES(*11318); PHYSIOLOGY-COMPARATIVE(12003); MUS-
CLE SYST-GENL STUDS,METHS(17501); MUSCLE SYST-ANATOMY(17502);
MUSCLE SYST-PHYSIOL,BIOCHEM(17504); BONE,JNTS,FASC,CONN/ADIP--
GENL(18001); BONE,JNTS,FASC,CONN/ADIP-ANATOMY(18002); BONE,JN-
TS,FASC,CONN/ADIP-PHY,BCH(18004); INTEGUMENT SYST-GENL
STUDS,METHS(18501); INTEGUMENT SYST-ANATOMY(18502); INTEGUMENT
SYST-PHYSIOL,BIOCHEM(18504)

Biosystematic Codes: CAUDATA(85304)

69018342

THE REGRESSION OF SYNAPSES FORMED BY A FOREIGN NERVE IN A MATURE AXOLOTL AMBYSTOMA-MEXICANUM STRIATED MUSCLE

BENNETT M R; MCGRATH P A; DAVEY D F
NEUROBIOL. LAB., DEP. PHYSIOL., UNIV. SYDNEY, SYDNEY, N.S.W.
2006, AUST.

BRAIN RES 173 (3). 1979. 451-470. Coden: BRREA

Language: ENGLISH

Descriptors: HORSERADISH PEROXIDASE EXTENSOR MUSCLE EXTENSOR

NERVE END PLATE POTENTIAL

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); MATHEMATIC
BIOL/STATISTIC METH(04500); ECOLOGY-WATR RESRCH,FISHERY
BIOL(07517); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064);
BIOCHEM STUD-PORPHYRNS,BILE PIGM(10065); BIOPHYS-GENERAL
STUDIES(10502); BIOPHYS-MEMBRANE PHENOMENA(*10508); ENZYMES-M-
METHODS(10804); ANATOMY/HISTOL-EXPERIMENTAL(11104); CHORDATE
BODY REGNS-EXTREMITIES(11318); MUSCLE SYST-PHYSIOL,BIOCHEM(*1-
7504); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS
SYST-PHYSIOL,BIOCHEM(*20504); PLANT PHYSIOL-ENZYMES(51518)

Biosystematic Codes: CRUCIFERAE(25880); CAUDATA(85304)

69016380

ALLOPURINOL INDUCED MELANISM IN THE TIGER SALAMANDER AMBYSTOMA-TIGRINUM-NEBULOSUM

FROST S K; BAGNARA J T
DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA 47405, USA.
J EXP ZOO 209 (3). 1979. 455-466. Coden: JEZOA

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM ENZYME INHIBITOR-DRUG
XANTHINE DEHYDROGENASE PHENOCOPY MELANOID GENE PIGMENTATION

PURINE PTERIDINE NEW METHOD

Concept Codes: GENETICS/CYTOGENET-ANIMAL(*03506); ECOLOGY-W-
ATR RESRCH,FISHERY BIOL(07517); COMPARATIVE BIOCHEM-GENL
STUDIES(10010); BIOCHEM METH-NUCL ACD,PURNS,PYRM(10052);
BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM STUD-PROTEIN-
S,PEPTIDES,AMINO ACD(10064); REPLICATN,TRANSCRIPTN,TRANSLATN(-
10300); ENZYMES-PHYSIOLOGICAL STUDIES(*10808); PHYSIOLOGY-COM-
PARATIVE(12003); PATHOLOGY-COMPARATIVE(12503); METABOLISM-PRO-
TNS,PEPTDS,AM ACDS(*13012); METABOLISM-NUCL ACD,PURINS,PYRIM(-
*13014); METABOLISM-METABOLIC DISORDERS(*13020); INTEGUMENT
SYST-GENL STUDS,METHS(*18501); INTEGUMENT SYST-PHYSIOL,BIOCHE-
M(18504); INTEGUMENT SYST-PATHOLOGY(*18506); PHARMACOL-DRUG
METAB,METAB STIMU(*22003); PHARMACOL-INTEGUMENT,DENTAL/ORAL(*-
22020); DEVELOPMNTL BIOL-PATHOLOGICAL(25503)

Biosystematic Codes: CAUDATA(85304)

69011036

MULTIPLE MELANOMAS IN THE AXOLOTL AMBYSTOMA-MEXICANUM

KHUDOLEY V V; ELISEIV V V
LAB. CHEM. CARCINOGEN. AGENTS, N.N. PETROV RES. INST. ONCOL.,
MINIST. PUBLIC HEALTH, PESOCHNY-2, LENINGRAD 188646, USSR.

J NATL CANCER INST 63 (1). 1979. 101-104. Coden: JNCIA

Language: ENGLISH

Descriptors: ANAPLASIA POLYMORPHISM

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); INTEGUMENT
SYST-GENL STUDS,METHS(*18501); NEOPLSMS/NEOPL AGNTS-PATH,CLIN-
IC(*24004)

Biosystematic Codes: CAUDATA(85304)

69006158 AXOLOTL
WAKIMOTO B T
DEP. BIOL., INDIANA UNIV., BLOOMINGTON, INDIANA 47401, USA.
J EMBRYOL EXP MORPHOL 52, 1979, 39-48. Coden: JEEMA
Language: ENGLISH
Descriptors: ACCESSORY SPERM NUCLEI REPLICATION PRONUCLEI
AUTO RADIOGRAPHY
Concept Codes: PHOTOGRAPHY-METHS, MATLS, APPARAT(01012);
MICROSCOPY-CYTOLOG, CYTOCHEM TECH(01054); CYTOLOGY/CYTOCHEM-AN-
IMAL(*02506); GENETICS/CYTOGENET-ANIMAL(*03506); RADIIATION
BIOL-RADTN, ISOTOP TECH(06504); BIOCHEM STUD-NUCL ACID, PURNS, PY-
RM(10062); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064);
REPLICATN, TRANSCRIPTN, TRANSLATN(10300);
ANATOMY/HISTOL, ULTRAMICRSC(*11108); METABOLISM-NUCL ACID-
ANATOMY, PYRIM(*13014); REPRODUCT SYST-GENL STDS, METHS(16501);
REPRODUCT SYST-ANATOMY(16502); REPRODUCT SYST-PHYSIOL, BIOCHEM-
(*16504); DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(*25502); DEVELOPM-
NTL BIOL-GEN MORPHGENSIS(25508)
Biosystematic Codes: CAUDATA(85304)

69002103 MAINTENANCE OF GROWTH STIMULATING AND THYROID STIMULATING
PROPERTIES OF ECTOPIC PITUITARIES IN THE MEXICAN AXOLOTL
AMBYSTOMA-MEXICANUM
HRONOWSKI L L; GILLESPIE L L; ARMSTRONG J B
DEP. BIOL., UNIV. OTTAWA, OTTAWA, ONT. K1N 6N5, CAN.
J EXP Zool 209 (1), 1979, 41-48. Coden: JEZOA
Language: ENGLISH
Descriptors: SPERM EGG UV IRRADIATION FEEDING ABNORMAL
APPEARANCE ARTIFICIAL INSEMINATION GYNO GENETIC NUCLEO
CYTOPLASMIC RATIO EMBRYONIC MORTALITY DELETTERIOUS RECESSIVE
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-
YTOGENET-ANIMAL(*03506); MATHEMATIC BIOL/STATISTIC METH(04500)
BIOL-RADTN, ISOTOP TECH(06504); RADIIATION
BIOL-RADTN EFF, PROTECT(*06506); BEHAVIOR BIOL-ANIMAL
BEHAVIOR(07003); ECOLOGY-WATR RESRCH, FISHERY BIOL(07517);
PATHOLOGY-NECROSIS(12510); NUTRITION-GENL NUTR STATUS, METHS(1-
3202); REPRODUCT SYST-GENL STDS, METHS(16501); REPRODUCT-
SYST-PATHOLOGY(*16506); DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(255-
02); DEVELOPMNTL BIOL-PATHOLOGICAL(*25503); DEVELOPMNTL
BIOL-EXPERIMENTAL(25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*2-
5508); DEVELOPMNTL BIOL-DESCRIP TERATOL(25552); DEVELOPMNTL
BIOL-EXPER TERATOL(25554)
Biosystematic Codes: CAUDATA(85304)

69002514 MORPHOLOGICAL STUDIES ON CARDIAC LETHAL MUTANT SALAMANDER
HEARTS IN ORGAN CULTURES
HILL C S; LEMANSKI L F
MUSCLE BIOL. LAB., DEP. ANAT., UNIV. WIS., MADISON, WIS.
53706, USA.
J EXP Zool 209 (1), 1979, 1-20. Coden: JEZOA
Language: ENGLISH

69002103 MAINTENANCE OF GROWTH STIMULATING AND THYROID STIMULATING
PROPERTIES OF ECTOPIC PITUITARIES IN THE MEXICAN AXOLOTL
AMBYSTOMA-MEXICANUM
SCHULTHEISS H
Zool. Inst. II, Univ., Kaiserstr. 12, 75 Karlsruhe, W. Ger.
Gen Comp Endocrinol 38 (1), 1979, 75-82. Coden: GCENA
Language: ENGLISH
Descriptors: SERUM PROLACTIN TRI IODO THYRONINE THYROXINE
Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);
BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); MINERALS(100-
69); BIOPHYS-GENERAL BIOPHYS TECH(10504); ANATOMY/HISTOL-EXPE-
RIMENTAL(11104); ANATOMY/HISTOL-REGEN, TRANSPLANT(*11107); PHY-
SIOLOGY-GENERAL STUDIES(12002); MOVEMENT(12100); MINERALS(130-
10); METABOLISM-PROTEINS, PEPTDS, AM ACDS(13012); BLOOD/BODY
FLDS-BLOOD, LYMPH STUD(15002); ENDOCRINE SYST-PITUITARY(*17014)
FLDS-BLOOD, LYMPH STUD(15002); ENDOCRINE SYST-PITUITARY(*17014)
MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

69002514 MORPHOLOGICAL STUDIES ON CARDIAC LETHAL MUTANT SALAMANDER
HEARTS IN ORGAN CULTURES
HILL C S; LEMANSKI L F
MUSCLE BIOL. LAB., DEP. ANAT., UNIV. WIS., MADISON, WIS.
53706, USA.
J EXP Zool 209 (1), 1979, 1-20. Coden: JEZOA
Language: ENGLISH

69002514 MORPHOLOGICAL STUDIES ON CARDIAC LETHAL MUTANT SALAMANDER
HEARTS IN ORGAN CULTURES
HILL C S; LEMANSKI L F
MUSCLE BIOL. LAB., DEP. ANAT., UNIV. WIS., MADISON, WIS.
53706, USA.
J EXP Zool 209 (1), 1979, 1-20. Coden: JEZOA
Language: ENGLISH

69000152

REGULATION AND LIMITS OF REGENERATION THE EFFECT OF PARTIAL IRRADIATION

MADEN M
DIV. DEV. BIOL., NATL. INST. MED. RES., MILL HILL, LONDON
NW7 1AA, ENGL., UK.

J EMBRYOL EXP MORPHOL 52. 1979. 183-192. Coden: JEEMA
Language: ENGLISH

Descriptors: AXOLOTL BLASTEMA FORE LIMBS HIND LIMBS
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); RADIATION BIOL-RADTN, ISOTOP TECH(06504); RADIATION BIOL-RADTN EFF, PROTECT(*06506); ANATOMY/HISTOL-REGEN, TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMITIES(*11318); MUSCLE SYST-PHYSIOL.-BIOCHEM(17504); BONE, JNTS, FASC, CONN/ADIP-PHY, BCH(18004); INTEGUMENT SYST-PHYSIOL, BIOCHEM(18504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

19056213

INVARIABILITY OF THE H-Y ANTIGEN EXPRESSION IN THE HETEROGAMETIC SEX OF SOME AMPHIBIANS AND EVIDENCE FOR A SEXUAL DIMORPHISM OF THIS ANTIGEN EXPRESSION IN PELODYTES-PUNCTATUS AMPHIBIA ANURA

ZABORSKI P

LAB. BIOL. DEV., CENT. CYTOL. EXP., CNRS, UNIV. PIERRE ET MARIE CURIE, 67 RUE MAURICE-GUNSBURG, 94200 IVRY, FR.
C R HEBD SEANCES ACAD SCI SER D SCI NAT 289 (15). 1979 (RECD. 1980). 1153-1156. Coden: CHDDA

Language: FRENCH

Descriptors: PLEURODELES-WALTLII AMBYSTOMA-MEXICANUM
XENOPUS-LAEVIS RANA-RIDIBUNDA

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); GENETICS/CYTOGENET-ANIMAL(*03506); GENETICS/CYTOGENET-SEX DIFFERENC(*03510); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068); METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS, PEPTDS, AM ACDS(*13012); BLOOD/BODY FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY FLDS-LYMPHAT TISS, RES(*15008); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

19047354

RELATIONSHIP BETWEEN TISSUE AND EPIMORPHIC REGENERATION OF SKELETAL MUSCLE

CARLSON B M

DEP. ANAT., UNIV. MICH., ANN ARBOR, MICH. 48109, USA.
MAURO, A. (ED.). MUSCLE REGENERATION; CONFERENCE. NEW YORK, N.Y., USA, FEB. 20-21, 1978. XV+560P. RAVEN PRESS: NEW YORK, N.Y., USA. ILLUS. ISBN 0-89004-284-5. O (O). 1979. P57-72.
Coden: 07380

Language: ENGLISH

Descriptors: REVIEW AXOLOTL RAT DE DIFFERENTIATION BASEMENT MEMBRANE ROLE NERVES

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520); ANATOMY/HISTOL-REGEN, TRANSPLANT(*11107); MUSCLE SYST-PHYSIOL.-

BIOCHEM(*17504); NERVOUS SYST-PHYSIOL, BIOCHEM(*20504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304); MURIDAE(86375)

19047292

A RADIO IMMUNOASSAY FOR TROPO MYOSIN IN MUSCLE TISSUE HOMOGENATES

MOORE P B; LEMANSKI L F

MUS. BIOL. LAB., DEP. ANAT., UNIV. WIS., MADISON, WIS. 53706, USA.

19TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY, TORONTO, ONT., CANADA, NOV. 4-8, 1979. J CELL BIOL 83 (2 PART 2). 1979. 305A. Coden: JCLBA

Language: ENGLISH

Descriptors: ABSTRACT AXOLOTL CHICKEN HAMSTER

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520); RADIATION BIOL-RADTN, ISOTOP TECH(06504); BIOCHEM STUD-GENERAL-(10060); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(*10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); MOVEMENT(12100); MUSCLE SYST-PHYSIOL, BIOCHEM(*17504); DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(25502); IN VITRO STUDS-CELLULR, SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(*34502)

Biosystematic Codes: CAUDATA(85304); GALLIFORMES(85536); CRICETIDAE(86310)

19033829
BRITISH SOCIETY FOR DEVELOPMENTAL BIOLOGY SYMPOSIUM NO. 4.
MATERNAL EFFECTS IN DEVELOPMENT EXETER ENGLAND UK SEPT. 19-21
 NEWTH D R: BALLS M
 UNIV. GLASG., GLASGOW, SCOTL., UK.

DEVELOPMENTAL BIOLOGY SYMPOSIUM, NO. 4. MATERNAL EFFECTS IN
 DEVELOPMENT; EXETER, ENGLAND, SEPT. 19-21, 1978. VII+420P.
 CAMBRIDGE UNIVERSITY PRESS: NEW YORK, N.Y., USA; CAMBRIDGE,
 ENGLAND. ILLUS. ISBN 0-521-22685-6. O (0). 1979 (RECD.
 1980). VII+420P. Coden: S85BD

Language: ENGLISH
 Descriptors: BOOK MEETING DROSOPHILA AMBYSTOMA-MEXICANUM
 SALAMANDER INSECT DIABETES TERATOGENESIS RNA GENETICS
 Concept Codes: GENL BIOL-SYMPOSA,PROCDNGS,REVW(O0520);
 CYTOLOGY/CYTOCHEM-ANIMAL(O2506);
 GENETICS/CYTOGENET-ANIMAL(*03506); BIOCHEM STUD-NUCL ACID,PURN-
 S,PYRM(10062); METABOLISM-GENL STUD,METAB PATHW(13002);
 METABOLISM-NUCL ACID,PURINS,PYRIM(13014); METABOLISM-METABOLIC
 DISORDERS(13020); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504);
 ENDOCRINE SYST-PANCREAS(17008); DEVELOPMNTL BIOL-GENL,DESCRIP-
 TIVE(*25502); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508);
 DEVELOPMNTL BIOL-DESCRIP TERATOL(25552); INVERTB PHYSIOL-INSE-
 CTA-PHYSIOL(64076)
 Biosystematic Codes: ANIMALIA-UNSPECIFIED(33000); INSECTA-U-
 NSPECIFIED(75300); DIPTERA(75314); CAUDATA(85304)

19030035
**SPATIAL DISTRIBUTION OF ABUNDANT PROTEINS IN OOCYTES AND
 FERTILIZED EGGS OF THE MEXICAN AXOLOTL AMBYSTOMA-MEXICANUM**
 JACKLE H; EAGLESON G W
 DEP. ZOOL., UNIV. TEX., AUSTIN, TEX. 78712, USA.
 DEV BIOL 75 (2), 1980. 492-499. Coden: DEBIA
 Language: ENGLISH
 Descriptors: NOTE GERMINAL VESICLES ELECTROPHORESIS
 CENTRIFUGATION TRANSVERSE SECTIONS
 Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(O1056);
 CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM STUD-PROTEINS,PEPTI-
 DES,AMINO ACID(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504);
 MOVEMENT(12100); METABOLISM-PROTNS,PEPTDS,AM ACDS(+13012);
 REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504); DEVELOPMNTL BIOL-GENL-
 DESCRIPTIVE(*25502)
 Biosystematic Codes: CAUDATA(85304)

19023280
**PURIFICATION OF SOLUBLE AMPHIBIAN LIVER MITOCHONDRIAL ATPASE
 PIMENTEL E R; TAHIN O S**
 DEP. BIOQUIM. I.B., UNICAMP, 13100 CAMPINAS, SAO PAULO,
 BRAZ.
 IRCS (INT RES COMMUN SYST) MED SCI LIBR COMPEND 8 (3),
 1980. 147. Coden: IRLCA
 Language: ENGLISH
 Descriptors: NOTE BUFO-PARACNEMIS RANA-MONTESUMAE

AMBYSTOMA-MEXICANUM AMBYSTOMA-TIGRINUMVELASCI ALKYL CATION
 REVERSIBLE BINDING
 Concept Codes: BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
 ACD(10064); ENZYMES-CHEM,PHYSICAL STUDIES(*10806); DIGESTIVE
 SYST-PHYSIOL,BIOCHEM(*14004)
 Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

19020929
**ARE SURFACE POTENTIALS NECESSARY FOR AMPHIBIAN LIMB
 REGENERATION**
 LASSALLE B
 LAB. MORPHOG. ANIM., UNIV. SCI. TECH. LILLE, 59655
 VILLENEUVE D'ASCO CEDEX, FR.
 DEV BIOL 75 (2), 1980. 460-466. Coden: DEBIA
 Language: ENGLISH
 Descriptors: NOTE PLEURODELES-WALLII AMBYSTOMA-MEXICANUM
 EPIDERMAL PERMEABILITY METAMORPHOSIS SKIN SHEDDING
 Concept Codes: BIOPHYS-MEMBRANE PHENOMENA(10508);
 ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
 REGNS-EXTREMITIES(*11318); INTEGUMENT SYST-PHYSIOL,BIOCHEM(*1-
 8504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
 Biosystematic Codes: CAUDATA(85304)

19020507
**COMPARISON OF THE USEFULNESS OF THE MEXICAN AXOLOTL
 AMBYSTOMA-MEXICANUM AND THE CLAWED TOAD XENOPUS-LAEVIS IN
 TOXICOLOGICAL BIOASSAYS**
 SLOOFF W; BAERSELMAN R
 NATL. INST. WATER SUPPLY, P.O. BOX 150, 2260 AD
 LEIDSCHENDAM, NETH.
 BULL ENVIRON CONTA TOXICOL 24 (3), 1980. 439-443.
 Coden: BECTA
 Language: ENGLISH
 Descriptors: LC-50
 Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);
 BIOCHEM STUD-GENERAL(10060); PATHOLOGY-NECROSIS(12510);
 METABOLISM-GENL STUD,METAB PATHW(13002); TOXICOL-GENL/EXP
 STUDS,METHS(*22501); TOXICOL-ENVIRONMNTL,INDUSTR(22506); LABO-
 RATORY ANIMALS-GENL STUDS(*28002); ENVIRON HEALTH-AIR,WATR,SL
 POLLN(37015)
 Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

19020507
**COMPARISON OF THE USEFULNESS OF THE MEXICAN AXOLOTL
 AMBYSTOMA-MEXICANUM AND THE CLAWED TOAD XENOPUS-LAEVIS IN
 TOXICOLOGICAL BIOASSAYS**
 SLOOFF W; BAERSELMAN R
 NATL. INST. WATER SUPPLY, P.O. BOX 150, 2260 AD
 LEIDSCHENDAM, NETH.
 BULL ENVIRON CONTA TOXICOL 24 (3), 1980. 439-443.
 Coden: BECTA
 Language: ENGLISH
 Descriptors: LC-50
 Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);
 BIOCHEM STUD-GENERAL(10060); PATHOLOGY-NECROSIS(12510);
 METABOLISM-GENL STUD,METAB PATHW(13002); TOXICOL-GENL/EXP
 STUDS,METHS(*22501); TOXICOL-ENVIRONMNTL,INDUSTR(22506); LABO-
 RATORY ANIMALS-GENL STUDS(*28002); ENVIRON HEALTH-AIR,WATR,SL
 POLLN(37015)
 Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

19012172

EFFECTS OF HISTONES AND NONHISTONE PROTEINS OF CHROMATIN ON DIFFERENTIATION OF EMBRYONIC SYSTEMS

DUPRAT A M; METHIEU C; ZALTA J P
LAB. BIOL. GEN., LAB. BIOCHIM. CNRS, UNIV. PAUL SABATIER,
TOULOUSE, FR.
SOV J DEV BIOL (ENGL TRANSL ONTOGENEZ) 9 (1). 1978 (RECD.
1979) 40-52. Coden: SJDBA

Language: ENGLISH

Descriptors: NEWT AXOLOTL CHICKEN RAT FROG LIVER HEART NEURO
BLAST ASCITES HEPATOMA

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-
YTOGENET-ANIMAL(*03506); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
ACD(10064); CHORDATE BODY REGNS-ABDOMEN(11314); PHYSIOLOGY-GE-
NERAL STUDIES(*12002); PHYSIOLOGY-COMPARATIVE(*12003);
METABOLISM-PROTNS,PEPTDS,AM ACDS(*13012); DIGESTIVE SYST-PATH-
OLOGY(14006); CARDIOVASC SYST-PHYSIOL,BIOCHEM(14504); BLOOD/B-
ODY FLDS-OTHER BODY FLDS(15010); BONE,JNTS,FASC,CONN/ADIP-PHY-
-BCH(*18004); NERVOUS SYST-PHYSIOL,BIOCHEM(20504); NEOPLSMS/N-
EOPL AGNTS-CARCINOGENS(24007); DEVELOPMNTL BIOL-EXPERIMENTAL(-
*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306);
GALLIFORMES(85536); MURIDAE(86375)

19001848

CELL PROLIFERATION IN AXOLOTL AMBYSTOMA-MEXICANUM EMBRYOS AT DIFFERENT STAGES OF GASTRULATION

DESNITSKII A G
BIOL. RES. INST., LENINGR. STATE UNIV., LENINGRAD, USSR.
SOV J DEV BIOL (ENGL TRANSL ONTOGENEZ) 9 (2). 1978 (1979).
163-165. Coden: SJDBA

Language: ENGLISH

Descriptors: DNA SYNTHESIS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM
STUD-NUCL ACD,PURNS,PYRM(10062); METABOLISM-NUCL ACD,PURINS,P-
YRIM(13014); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502);
DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

18060030

DISTAL TRANSFORMATION FROM SYMMETRICAL FORE ARMS IN THE AXOLOTL AMBYSTOMA-MEXICANUM

KRASNER G N
CENT. PATHOBIOL., UNIV. CALIF., IRVINE, CALIF., USA.
92ND MEETING OF THE AMERICAN ASSOCIATION OF ANATOMISTS,
MIAMI, FLA., USA, APR. 2-5, 1979. ANAT REC 193 (3). 1979.
592-593. Coden: ANREA

Language: ENGLISH

Descriptors: ABSTRACT POLAR COORDINATE MODEL

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
ANATOMY/HISTOL-EXPERIMENTAL(*11104); CHORDATE BODY REGNS-EXTR-
EMITIES(*11318); PHYSIOLOGY-GENERAL STUDIES(*12002)

Biosystematic Codes: SALIENTIA(85306); SAURIA(85408)

18053976

ACTIN ISOZYMES IN DEVELOPING HEART OF THE AXOLOTL AMBYSTOMA-MEXICANUM

WOODROOFE M N; LEMANSKI L F
DEP. ANAT., UNIV. WIS., MADISON, WIS. 53706, USA.
19TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL
BIOLOGY, TORONTO, ONT., CANADA, NOV. 4-8, 1979. J CELL BIOL
83 (2 PART 2). 1979. 325A. Coden: JCLBA

Language: ENGLISH

Descriptors: ABSTRACT EMBRYO RABBIT

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); ENZYMES-CHEM-
PHYSICAL STUDIES(*10806); ENZYMES-PHYSIOLOGICAL STUDIES(*108-
08); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMNTL
BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(2-
5508)

Biosystematic Codes: CAUDATA(85304); LEPORIDAE(86040)

18043621

REGENERATION OF AXOLOTL LIMBS COVERED BY FROG RANA-PIPIENS SKIN

CARLSON B M
ANNUAL MEETING OF THE AMERICAN SOCIETY OF ZOOLOGISTS,
SOCIETY OF SYSTEMATIC ZOOLOGY AND THE AMERICAN MICROSCOPICAL
SOCIETY, TAMPA, FLA., USA, DEC. 27-30, 1979. AM ZOO 19 (3).
1979. 924. Coden: AMZOA

Language: ENGLISH

Descriptors: ABSTRACT GRAFT BLASTEMA FORE ARM METAMORPHOSIS

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
ANATOMY/HISTOL-EXPERIMENTAL(11104); CHORDATE BODY
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY
REGNS-EXTREMITIES(*11318); PHYSIOLOGY-COMPARATIVE(*12003);
INTEGUMENT SYST-GENL STUDES,METHS(18501); INTEGUMENT
SYST-PHYSIOL,BIOCHEM(*18504); DEVELOPMNTL BIOL-EXPERIMENTAL(-
25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

18037708
ROUTE FOR CEREBRO SPINAL FLUID FLOW OUT OF THE CEREBRAL
VENTRICLES IN AMPHIBIANS
JONES H C
BIOMED. RES. UNIT, UNIV. HULL, HULL, HUM 7RX, YORKS., ENGL.,
UK.
PROCEEDINGS OF THE PHYSIOLOGICAL SOCIETY, LONDON, ENGLAND,
APR. 20-21, 1979. J PHYSIOL (LOND) 293 (O). 1979. 8P-10P.
Codens: JPHYA
Language: ENGLISH
Descriptors: ABSTRACT RANA-PIPIENS RANA-CATESEBIANA
XENOPUS-LAEVIS SALAMANDRA-SALAMANDRA AMBYSTOMA-MEXICANUM BRAIN
PIAL CELLS SCANNING ELECTRON MICROGRAPHY EPENDYMAL
FENESTRATIONS

Concept codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(O0520);
PHOTOGRAPHY-METHS,MATLS,APPARAT(O1012); ELECTRON MICROSCOPY(O-
1058); CYTOLOGY/CYTOCHEM-ANIMAL(O2506); ECOLOGY-WATR RESRCH,F-
ISHERY BIOL(O7517); ANATOMY/HISTOL-MICRO,ULTRAMICRSCC(*1108);
PHYSIOLOG-COMPARATIVE(*12003); MOVEMENT(12100); CARDIOVASC
SYST-GENL STUDS,METHS(14501); BLOOD/BODY FLDS-OTHER BODY
FLDS(*15010); NERVOUS SYST-ANATOMY(*20502); NERVOUS
SYST-PHYSIOL,BIOCHEM(*20504)
Biosystematic codes: AMPHIBIA-UNSPECIFIED(85300); CAUDATA(8-
5304); SALIENTIA(85306)

18031369
REGENERATION OF SYMMETRICAL FORE LIMBS IN THE AXOLOTL
AMBYSTOMA-MEXICANUM
TANK P W; HOLDER N
DEP. ANAT., UNIV. ARKANSAS MED. SCI., LITTLE ROCK, ARKANSAS,
USA.
92ND MEETING OF THE AMERICAN ASSOCIATION OF ANATOMISTS,
MIAMI, FLA., USA, APR. 2-5, 1979. ANAT REC 193 (3). 1979.
700-701. Codens: ANREA
Language: ENGLISH
Descriptors: ABSTRACT AMPUTATION
Concept codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(O0520);
ANATOMY/HISTOL-EXPERIMENTAL(1104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*1107); CHORDATE BODY
REGENS-EXTREMITIES(*11318);
BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(*18004); DEVELOPMNTL BIOL-EX-
PERIMENTAL(*25504)
Biosystematic codes: CAUDATA(85304)

18031366
THE PRODUCTION OF SUPERNUMERARY LIMBS IN RESPONSE TO
VARIABLE ROTATIONS OF THE REGENERATING FORE LIMB BLASTEMA OF
THE NEWT NOTOPHTHALMUS-VIRIDESCENS
STOCK G B
CENT. PATHBIOL., UNIV. CALIF., IRVINE, CALIF., USA.
MIAMI, FLA., USA, APR. 2-5, 1979. ANAT REC 193 (3). 1979.
695. Codens: ANREA

Language: ENGLISH
Descriptors: ABSTRACT AXOLOTL MID HUMERUS AMPUTATION
Concept codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(O0520);
MATHEMATIC BIOL/STATISTIC METH(O4500); EXTERN EFF-ELECTR,MAGN-
ET,GRAVITY(10610); ANATOMY/HISTOL-EXPERIMENTAL(1104); ANATOM-
Y/HISTOL-REGEN,TRANSPLANT(*1107); CHORDATE BODY REGENS-EXTREM-
ITY/JNTS,FASC,CONN/ADIP-PHY,BCH(*18004); DEVELOPMNTL BIOL-EXPERIMENT-
AL(25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic codes: CAUDATA(85304)
18012262
MESODERMALIZATION OF AMPHIBIAN GASTRULA ECTODERM IN TRANS
FILTER EXPERIMENTS
MINUTH W
ANAT. INST., UNIV. HEIDELB., IM NEUENHEIMER FELD 307, D-6900
HEIDELBERG 1, W. GER.
MED BIOL (HELSINKI) 56 (6). 1978 (RECD. 1979). 349-354.
Codens: MDBYA
Language: ENGLISH
Descriptors: TRITURUS-VULGARIS AMBYSTOMA-MEXICANUM BONE
MARROW INDUCTION MORPHOGENESIS HISTOLOGY
Concept codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(O0520);
MICROSCOPY-HISTOL,HISTOCHEM TECH(O1056); CYTOLOGY/CYTOCHEM-AN-
IMAL(O2506); BIOPHYS-GENERAL BIOPHYS TECH(10504); ANATOMY/HIS-
TOL-MICRO,ULTRAMICRSCC(11108); BLOOD/BODY FLDS-LYMPHAT TISS,RE-
S(15008); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(18004); INTEGMENT METHS(-
18501); INTEGMENT SYST-ANATOMY(18502); DEVELOPMNTL BIOL-EXPERIMENTAL(*-
25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic codes: CAUDATA(85304)

18012262
MESODERMALIZATION OF AMPHIBIAN GASTRULA ECTODERM IN TRANS
FILTER EXPERIMENTS
MINUTH W
ANAT. INST., UNIV. HEIDELB., IM NEUENHEIMER FELD 307, D-6900
HEIDELBERG 1, W. GER.
MED BIOL (HELSINKI) 56 (6). 1978 (RECD. 1979). 349-354.
Codens: MDBYA
Language: ENGLISH
Descriptors: TRITURUS-VULGARIS AMBYSTOMA-MEXICANUM BONE
MARROW INDUCTION MORPHOGENESIS HISTOLOGY
Concept codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(O0520);
MICROSCOPY-HISTOL,HISTOCHEM TECH(O1056); CYTOLOGY/CYTOCHEM-AN-
IMAL(O2506); BIOPHYS-GENERAL BIOPHYS TECH(10504); ANATOMY/HIS-
TOL-MICRO,ULTRAMICRSCC(11108); BLOOD/BODY FLDS-LYMPHAT TISS,RE-
S(15008); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(18004); INTEGMENT METHS(-
18501); INTEGMENT SYST-ANATOMY(18502); DEVELOPMNTL BIOL-EXPERIMENTAL(*-
25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic codes: CAUDATA(85304)

18012262
MESODERMALIZATION OF AMPHIBIAN GASTRULA ECTODERM IN TRANS
FILTER EXPERIMENTS
MINUTH W
ANAT. INST., UNIV. HEIDELB., IM NEUENHEIMER FELD 307, D-6900
HEIDELBERG 1, W. GER.
MED BIOL (HELSINKI) 56 (6). 1978 (RECD. 1979). 349-354.
Codens: MDBYA
Language: ENGLISH
Descriptors: TRITURUS-VULGARIS AMBYSTOMA-MEXICANUM BONE
MARROW INDUCTION MORPHOGENESIS HISTOLOGY
Concept codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(O0520);
MICROSCOPY-HISTOL,HISTOCHEM TECH(O1056); CYTOLOGY/CYTOCHEM-AN-
IMAL(O2506); BIOPHYS-GENERAL BIOPHYS TECH(10504); ANATOMY/HIS-
TOL-MICRO,ULTRAMICRSCC(11108); BLOOD/BODY FLDS-LYMPHAT TISS,RE-
S(15008); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(18004); INTEGMENT METHS(-
18501); INTEGMENT SYST-ANATOMY(18502); DEVELOPMNTL BIOL-EXPERIMENTAL(*-
25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic codes: CAUDATA(85304)

18012258

THE DIFFERENTIATION PATTERN IN DEPENDENCE OF THE PROPORTION BETWEEN INDUCING AND INDUCED CELLS STUDIED ON GASTRULA ECTODERM OF AMBYSTOMA-MEXICANUM

JOHNEN A G; ALBERS B
ZOOLOG. INST., UNIV. KOELN, WEYERTAL 119, 5 KOELN 41, W. GER.
MED BIOL (HELSINKI) 56 (6). 1978 (RECD. 1979). 317-320.

Coden: MDBYA

Language: ENGLISH

Descriptors: LITHIUM CHLORIDE METABOLIC-DRUG DEVELOPMENT MORTALITY STATISTICS

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(O0520); CYTOLOGY/CYTOCHEM-ANIMAL(O2506); MATHEMATIC BIOL/STATISTIC METH(O4500); MINERALS(10069); BIOPHYS-BIOCYBERNETICS(10515); PATHOLOGY-NECROSIS(12510); PHARMACOL-DRUG METAB,METAB STIMU(*-22003); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

18002260

EXPERIMENTAL STUDIES ON THE SYMMETRY REACTION OF AXOLOTL OOCYTES AND EGGS CONDITIONS FOR THE EARLY APPEARANCE OF THE GRAY CRESCENT FOLLOWING HEAT SHOCK

BEETSCHEN J-C
LAB. BIOL. GEN., UNIV. PAUL-SABATIER, 118 RTE. DE NARBONNE,
31077 TOULOUSE CEDEX, FR.
C R HEBD SEANCES ACAD SCI SER D SCI NAT 288 (6). 1979.

643-646. Coden: CHDDA

Language: FRENCH

Descriptors: FOLLICULAR CELLS OVIDUCT COELOMIC CAVITY JELLY LAYERS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*O2506); BIOCHEM STUD-GENERAL(10060); EXTERN EFF-HOT(*10618); REPRODUCT SYST-GENL STUDS,METHS(16501); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504); TEMPERATURE-GENL,METHS(23001); DEVELOPMNTL BIOL-GENL-DESCRIPTIVE(*25502); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); IN VITRO STUDS-CELLULR,SUBCELL(32600)

Biosystematic Codes: CAUDATA(85304)

18000181

REGENERATION OF RE DUPLICATED LIMBS IN CONTRAVENTION OF THE COMPLETE CIRCLE RULE

SLACK J M W; SAVAGE S
IMP. CANCER RES. FUND, MILL HILL LAB., BURTONHOLE LANE,
LONDON NW7, ENGL., UK

NATURE (LOND) 271 (5647). 1978. 760-761. Coden: NATUA

Language: ENGLISH

Descriptors: NOTE AMPHIBIAN AMBYSTOMA-MEXICANUM AXOLOTL EMBRYONIC DEVELOPMENT CLOCK FACE MODEL

Concept Codes: BIOPHYS-BIOCYBERNETICS(*10515); ANATOMY/HISTOL-GROSS(11102); ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107); CHORDATE BODY REGNS-EXTREMITIES(*11318); PHYSIOLOGY-GENERAL STUDIES(12002); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(25508)

Biosystematic Codes: AMPHIBIA-UNSPECIFIED(85300); CAUDATA(85304)

68073482

NORMAL ANTERIOR ENDODERM CORRECTS THE HEART DEFECT IN CARDIAC MUTANT SALAMANDERS AMBYSTOMA-MEXICANUM

LEMANSKI L F; PAULSON D J; HILL C S
MUSCLE BIOL. LAB., DEP. ANAT., UNIV. WIS., MADISON, WIS.
53706, USA.

SCIENCE (WASH D C) 204 (4395). 1979. 860-862. Coden: SCIEA

Language: ENGLISH

Descriptors: RECESSIVE INHERITANCE INDUCTION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(O2506); GENETICS/CYTOGENET-ANIMAL(*O3506); ECOLOGY-WATR RESRCH,FISHERY BIOL(O7517); BIOPHYS-BIOCYBERNETICS(10515); ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); CARDIOVASC SYST-GENL STUDS,METHS(14501); CARDIOVASC SYST-PHYSIOL,BIOCHEM(14504); CARDIOVASC SYST-HEART PATHOLOGY(*14506); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(25502); DEVELOPMNTL BIOL-PATHOLOGICAL(*25503); DEVELOPMNTL BIOL-EXPERIMENTAL(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508); TISS CULTURE-APPARAT,METHS,MEDIA(32500)

Biosystematic Codes: CAUDATA(85304)

68059353
AMPHIBIAN EMBRYOS
SPRAY D C; HARRIS A L; BENNETT M V L
DIV. CELL. NEUROBIOL., DEP. NEUROSCI., ROSE F. KENNEDY
CENT., ALBERT EINSTEIN COLL. MED., BRONX, N.Y. 10461, USA
SCIENCE (WASH D C) 204 (4391), 1979, 432-434. Coden:
BLASTOMERE POLARIZATION INTER CELLULAR COMMUNICATION
REGULATION
Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM STUD-GENERAL(10060);
BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MEMBRANE
PHENOMENA(*10508); BIOPHYS-BIOCHEMISTRY(10515); PHYSIOLOGY-
COMPARATIVE(12003); MOVEMENT(12100); DEVELOPMENTAL BIOL-EXPERIM-
ENTAL(*25504); IN VITRO STUDS-CELLULR,SUBCELL(32600)
Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)

68048049
MORPHOGENETIC INFLUENCE OF TAIL SKIN ON LIMB REGENERATION
DURING STAGES IN THE DEVELOPMENT OF THE SKIN IN
AMBYSTOMA-MEXICANUM
GLADE R W
DEP. ZOOL., UNIV. VT., BURLINGTON, VT. 05401, USA
GROWTH 42 (3), 1978 (RECD, 1979), 253-262. Coden: GROWA
Language: ENGLISH
Descriptors: CONNECTIVE TISSUE MUSCLE EPIDERMAL CELL
HISTOLOGY AGE
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108);
BODY CHORDATE
REGENS-EXTRMITIES(11318); PHYSIOLOGY-COMPARATIVE(12003); MUSC-
LE SYST-PHYSIOL,BIOCHEM(*17504); BONE,JNTS,FASC,CONN,ADIP-PHY-
,BCH(*18004); INTEGUMENT SYST-GENL
STUDS,METHS(18501);
INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504); GERONTOLOGY(24500);
DEVELOPMENTAL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

68072375
ROLE OF TROPO MYOSIN IN ACTIN FILAMENT FORMATION IN
EMBRYONIC SALAMANDER HEART CELLS
LEMANSKI L F
DEP. ANAT., UNIV. WIS., MADISON, WIS. 53706, USA.
J CELL BIOL 82 (1), 1979, 227-238. Coden: JCLBA
Language: ENGLISH
Descriptors: AMBYSTOMA-MEXICANUM RABBIT CHICKEN HEAVY MERO
MYOSIN ACTIN MYOSIN HEAVY CHAIN TROPO MYOSIN CARDIO MYOCYTE
MYO FIBRIL SARCOMERE DEVELOPMENT GLYCEROL GLYCERIN RECESSIVE
INHERITANCE ELECTRON MICROSCOPY ELECTROPHORESIS IMMUNO
FLUORESCENCE STAINING
Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
GENETICS/CYTOGENET-ANIMAL(*03506); ECOLOGY-WATR RESRCH,FISHERY
BIOL(07517); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM
STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
ACD(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLE-
CUL PROP,MACROMOLEC(10506); MOVEMENT(12100); METABOLISM-PROTN-
S,PEPTDS,AM ACDS(*13012); METABOLISM-METABOLIC DISORDERS(1302-
0); CARDIOVASC SYST-GENL STUDS,METHS(14501); CARDIOVASC
SYST-PHYSIOL,BIOCHEM(14504); CARDIOVASC SYST-HEART PATHOLOGY(-
*14506); MUSCLE SYST-GENL STUDS,METHS(17501); MUSCLE
SYST-PATHOLOGY(*17506); PHARMACOL-DRUG METAB,METAB STIMU(*220-
03); PHARMACOL-CARDIOVASC SYST(22010); PHARMACOL-MUSCLE
SYST(22022); DEVELOPMENTAL BIOL-PATHOLOGICAL(*25503); DEVELOPMN-
TL BIOL-GEN MORPHGENSIS(*25508); IN VITRO STUDS-CELLULR,SUBCE-
LL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(34502)
Biosystematic Codes: CAUDATA(85304); GALLIFORMES(85536);
LEPORIDAE(86040)

68059463
A SCANNING ELECTRON MICROSCOPY AND TRANSMISSION ELECTRON
MICROSCOPY STUDY OF SUPPRESSION OF EYE DEVELOPMENT IN EYELESS
MUTANT AXOLOTLS
ULSHAFFER R J; HIBBARD E
LAB. EMBRYOL., UNIV. LOUIS PASTEUR, 11 RUE HUMANN, F-67085
STRASBOURG CEDEX, FR.
ANAT EMBRYOL 156 (1), 1979, 29-36. Coden: ANEMD
Language: ENGLISH
Descriptors: AMBYSTOMA-MEXICANUM MORPHOGENESIS BASAL LAMINA
MESENCHYME CELLS NEUR ECTODERM LIGHT MICROSCOPY
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
GENETICS/CYTOGENET-ANIMAL(*03506); BIOCHEM STUD-GENERAL(10060);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108); SENSE ORGANS-GENL
STUDS,METHS(20001); SENSE ORGANS-ANATOMY(20002); SENSE
ORGANS-PHYSIOL,BIOCHEM(*20004); SENSE ORGANS-PATHOLOGY(*20006)
; NERVOUS SYST-ANATOMY(20502); NERVOUS SYST-PHYSIOL,BIOCHEM(*-
20504); NERVOUS SYST-PATHOLOGY(*20506); DEVELOPMENTAL
BIOL-PATHOLOGICAL(*25503); DEVELOPMENTAL BIOL-GEN MORPHGENSIS(25508);
DEVELOPMENTAL BIOL-DESCRIP TERATOL(25552)
Biosystematic Codes: CAUDATA(85304)

68059466
MICROSCOPY STUDY OF SUPPRESSION OF EYE DEVELOPMENT IN EYELESS
MUTANT AXOLOTLS
ULSHAFFER R J; HIBBARD E
LAB. EMBRYOL., UNIV. LOUIS PASTEUR, 11 RUE HUMANN, F-67085
STRASBOURG CEDEX, FR.
ANAT EMBRYOL 156 (1), 1979, 29-36. Coden: ANEMD
Language: ENGLISH
Descriptors: AMBYSTOMA-MEXICANUM MORPHOGENESIS BASAL LAMINA
MESENCHYME CELLS NEUR ECTODERM LIGHT MICROSCOPY
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108);
BODY CHORDATE
REGENS-EXTRMITIES(11318); PHYSIOLOGY-COMPARATIVE(12003); MUSC-
LE SYST-PHYSIOL,BIOCHEM(*17504); BONE,JNTS,FASC,CONN,ADIP-PHY-
,BCH(*18004); INTEGUMENT SYST-GENL
STUDS,METHS(18501);
INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504); GERONTOLOGY(24500);
DEVELOPMENTAL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

68059469
MORPHOGENETIC INFLUENCE OF TAIL SKIN ON LIMB REGENERATION
DURING STAGES IN THE DEVELOPMENT OF THE SKIN IN
AMBYSTOMA-MEXICANUM
GLADE R W
DEP. ZOOL., UNIV. VT., BURLINGTON, VT. 05401, USA
GROWTH 42 (3), 1978 (RECD, 1979), 253-262. Coden: GROWA
Language: ENGLISH
Descriptors: CONNECTIVE TISSUE MUSCLE EPIDERMAL CELL
HISTOLOGY AGE
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108);
BODY CHORDATE
REGENS-EXTRMITIES(11318); PHYSIOLOGY-COMPARATIVE(12003); MUSC-
LE SYST-PHYSIOL,BIOCHEM(*17504); BONE,JNTS,FASC,CONN,ADIP-PHY-
,BCH(*18004); INTEGUMENT SYST-GENL
STUDS,METHS(18501);
INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504); GERONTOLOGY(24500);
DEVELOPMENTAL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

68059472
MORPHOGENETIC INFLUENCE OF TAIL SKIN ON LIMB REGENERATION
DURING STAGES IN THE DEVELOPMENT OF THE SKIN IN
AMBYSTOMA-MEXICANUM
GLADE R W
DEP. ZOOL., UNIV. VT., BURLINGTON, VT. 05401, USA
GROWTH 42 (3), 1978 (RECD, 1979), 253-262. Coden: GROWA
Language: ENGLISH
Descriptors: CONNECTIVE TISSUE MUSCLE EPIDERMAL CELL
HISTOLOGY AGE
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108);
BODY CHORDATE
REGENS-EXTRMITIES(11318); PHYSIOLOGY-COMPARATIVE(12003); MUSC-
LE SYST-PHYSIOL,BIOCHEM(*17504); BONE,JNTS,FASC,CONN,ADIP-PHY-
,BCH(*18004); INTEGUMENT SYST-GENL
STUDS,METHS(18501);
INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504); GERONTOLOGY(24500);
DEVELOPMENTAL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

68059475
MORPHOGENETIC INFLUENCE OF TAIL SKIN ON LIMB REGENERATION
DURING STAGES IN THE DEVELOPMENT OF THE SKIN IN
AMBYSTOMA-MEXICANUM
GLADE R W
DEP. ZOOL., UNIV. VT., BURLINGTON, VT. 05401, USA
GROWTH 42 (3), 1978 (RECD, 1979), 253-262. Coden: GROWA
Language: ENGLISH
Descriptors: CONNECTIVE TISSUE MUSCLE EPIDERMAL CELL
HISTOLOGY AGE
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108);
BODY CHORDATE
REGENS-EXTRMITIES(11318); PHYSIOLOGY-COMPARATIVE(12003); MUSC-
LE SYST-PHYSIOL,BIOCHEM(*17504); BONE,JNTS,FASC,CONN,ADIP-PHY-
,BCH(*18004); INTEGUMENT SYST-GENL
STUDS,METHS(18501);
INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504); GERONTOLOGY(24500);
DEVELOPMENTAL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

68059478
MORPHOGENETIC INFLUENCE OF TAIL SKIN ON LIMB REGENERATION
DURING STAGES IN THE DEVELOPMENT OF THE SKIN IN
AMBYSTOMA-MEXICANUM
GLADE R W
DEP. ZOOL., UNIV. VT., BURLINGTON, VT. 05401, USA
GROWTH 42 (3), 1978 (RECD, 1979), 253-262. Coden: GROWA
Language: ENGLISH
Descriptors: CONNECTIVE TISSUE MUSCLE EPIDERMAL CELL
HISTOLOGY AGE
Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN,TRANSPLANT(*11107);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108);
BODY CHORDATE
REGENS-EXTRMITIES(11318); PHYSIOLOGY-COMPARATIVE(12003); MUSC-
LE SYST-PHYSIOL,BIOCHEM(*17504); BONE,JNTS,FASC,CONN,ADIP-PHY-
,BCH(*18004); INTEGUMENT SYST-GENL
STUDS,METHS(18501);
INTEGUMENT SYST-PHYSIOL,BIOCHEM(*18504); GERONTOLOGY(24500);
DEVELOPMENTAL BIOL-GEN MORPHGENSIS(*25508)
Biosystematic Codes: CAUDATA(85304)

68045823

KINETICS OF CELL REPRODUCTION IN HEMOPOIESIS OF FROG RANA-Temporaria spleen and axolotl ambystoma-mexicanum liver

GORYSHINA E N; PEREVOZCHIKOVA M F
LENINGR. STATE UNIV., LENINGRAD, USSR.
VESTN Leningr Univ Biol (4). 1978 (RECD. 1979). 17-23.

Coden: VLUBB

Language: RUSSIAN

Descriptors: MAMMAL SEASONAL VARIATION TEMPERATURE

Concept Codes: PHOTOGRAPHY-METHS, MATLS, APPARAT(01012);
CYTOLOGY/CYTOCHEM-ANIMAL(*02506); RADIATION BIOL-RADTN, ISOTOP
TECH(06504); CIRCADIAN RHYTHM/PERIODIC CYCLES(*07200);
ECOLOGY-ANIMAL(*07508); BIOCHEM STUD-NUCL ACD, PURNS, PYRM(1006-
2); EXTERN EFF-TEMPERATURE(*10614); PHYSIOLOGY-COMPARATIVE(12-
003); DIGESTIVE SYST-GENL STUDS, METHS(*14001); BLOOD/BODY
FLDS-BLOOD CELL STUDS(*15004); BLOOD/BODY FLDS-LYMPHAT
TISS, RES(*15008); TEMPERATURE-GENL, METHS(23001)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306);
MAMMALIA-UNSPECIFIED AND EXTINCT(85700)

68036324

AXON REFLEXES IN AXOLOTL LIMBS EVIDENCE THAT BRANCHED MOTOR AXONS RE INNervATE MUSCLES SELECTIVELY

STEPHENSON R S
DEP. BIOL. SCI., PURDUE UNIV., WEST LAFAYETTE, INDIANA
47906, USA.

EXP NEUROL 64 (1). 1979. 174-189. Coden: EXNEA

Language: ENGLISH

Descriptors: AMBYSTOMA-MEXICANUM REGENERATION ELECTRICAL
STIMULI REPRESSION

Concept Codes: ECOLOGY-WATR RESRCH, FISHERY BIOL(07517);
BIOPHYS-GENERAL STUDIES(*10502); BIOPHYS-GENERAL BIOPHYS
TECH(10504); BIOPHYS-BIOCYBERNETICS(*10515); EXTERN EFF-ELECT-
R, MAGNET, GRAVITY(10610);
ANATOMY/HISTOL-REGEN, TRANSPLANT(*11107); CHORDATE BODY
REGNS-EXTREMITIES(11318); MUSCLE SYST-PHYSIOL, BIOCHEM(*17504);
NERVOUS SYST-GENL STUDS, METHS(20501); NERVOUS SYST-PHYSIOL, BI-
OCHEM(*20504); NERVOUS SYST-PATHOLOGY(20506); DEVELOPMNTL
BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

68033351

REGENERATIVE RESPONSES IN LARVAL AXOLOTL LIMBS WITH SKIN GRAFTS OVER THE AMPUTATION SURFACE

TASSAVA R A; GARLING D J
DEP. ZOOL., OHIO STATE UNIV., COLUMBUS, OHIO 43210, USA.
J EXP ZOOL 208 (1). 1979. 97-110. Coden: JEZOA

Language: ENGLISH

Descriptors: BLASTEMA RADIUS ULNA DNA TRITIATED THYMIDINE DE
DIFFERENTIATION

Concept Codes: RADIATION BIOL-RADTN, ISOTOP TECH(06504);
COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM STUD-NUCL
ACD, PURNS, PYRM(10062); ANATOMY/HISTOL-EXPERIMENTAL(11104);
ANATOMY/HISTOL-REGEN, TRANSPLANT(*11107); CHORDATE BODY

REGNS-EXTREMITIES(11318); PHYSIOLOGY-COMPARATIVE(12003); META-
BOLISM-CARBOHYDRATES(+13004); INTEGUMENT SYST-GENL STUDS, METH-
S(18501); INTEGUMENT SYST-PHYSIOL, BIOCHEM(+18504); DEVELOPMNTL
BIOL-EXPERIMENTAL(+25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(+
25508)

Biosystematic Codes: CAUDATA(85304)

68028676

THYMUS INDEPENDENT ANTI HORSE ERYTHROCYTE ANTIBODY RESPONSE AND SUPPRESSOR THYMUS DERIVED CELLS IN THE MEXICAN AXOLOTL AMPHIBIA URODELA AMBYSTOMA-MEXICANUM

CHARLEMAGNE J
LAB. IMMUNOL. COMP., UNIV. PIERRE MARIE CURIE, 9 QUAI
ST.-BERNARD, 75005 PARIS, FR.

IMMUNOLOGY 36 (4). 1979. 643-648. Coden: IMMUA

Language: ENGLISH

Descriptors: BACTERIA VIRUS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); METABOLISM--
CARBOHYDRATES(13004); METABOLISM-PROTNS, PEPTDS, AM ACDS(*13012)
; BLOOD/BODY FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY
FLDS-LYMPHAT TISS, RES(*15008); ENDOCRINE SYST-THYMUS(*17016);
BACTERIA-PHYSIOLOGY, BIOCHEMISTRY(31000); VIROLOGY-ANIMAL HOST
VIRUSES(33506); IMMUNOL/IMMUNOCHEM-BACT, VIR, FUNG(*34504); IMM-
UNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508); MED/CLIN MICROBIOL-BACT-
ERIOLOGY(36002); MED/CLIN MICROBIOL-VIROLOGY(36006)

Biosystematic Codes: ANIMAL VIRUSES-UNSPECIFIED(02200);
BACTERIA-UNSPECIFIED(04000); CAUDATA(85304); EQUIDAE(86145)

17057519

SUPERNUMERARY LIMBS IN THE AXOLOTL

MADEN M; TURNER R N
NATURE (LOND). 273 (5659). 1978 232-235 Coden: NATUA

Descriptors: LETTER AMBYSTOMA-MEXICANUM BLASTEMAL ROTATION

Concept Codes: ANATOMY/HISTOL-EXPERIMENTAL(11104); CHORDATE
BODY REGNS-EXTREMITIES(*11318); DEVELOPMNTL BIOL-EXPERIMENTAL-
(*25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(*25508)

Biosystematic Codes: CAUDATA(85304)

17056468
CYTOPLASMIC PH AND TRANS JUNCTIONAL VOLTAGE CONTROL
JUNCTIONAL CONDUCTANCE BETWEEN EMBRYONIC CELLS

BENNETT M V L; HARRIS A L; SPRAY D C
J GEN PHYSIOL 72 (6). 1978 2A Coden: JGPLA
Descriptors: ABSTRACT AMBYSTOMA-MEXICANUM XENOPUS-LAEVIS
RANA-PIPIENS FUNDULUS-HETEROCLITUS BLASTOMERE CARBON DI OXIDE
PROPIONIC-ACID ACETIC-ACID HYDRONIUM
Concept codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-WA-
TR RESCH,FISHERY BIOL(07517); BIOCHEM-GASES(10012); BIOCHEM-
STUD-GENERAL(10060); BIOPHYS-GENERAL BIOPHYS.TECH(10504);
BIOPHYS-MOLECUL PROP,MACROMOLEC(10506); BIOPHYS-MEMBRANE
PHENOMENA(*10508); EXTERN EFF-ELECTR,MAGNET,GRAVITY(10610);
MOVEMENT(12100); METABOLISM-GENL STUD,METAB PATHW(*13002);
DEVELOPMTNL BIOL-EXPERIMENTAL(*25504)
Systematic codes: CAUDATA(85304); SALIENTIA(85306)

17053973
FUNCTIONAL ADAPTABILITY AND MORPHOGENETIC OPPORTUNISM THE
ONLY RULES FOR LIMB DEVELOPMENT

HORDER T J
ZONN (6). 1978 (RECD 1979) 181-192 Coden: ZONNB
Descriptors: AXOLOTL EMBRYO ADULT NEURO MUSCULAR CONNECTIONS
ANATOMY CONTACT GUIDANCE
Concept codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); ECOLOGY-WATR
RESCH,FISHERY BIOL(07517); BIOPHYS-MEMBRANE PHENOMENA(10508);
BIOPHYS-BIOCYBERNETICS(10515); CHORDATE BODY REGNS-EXTREMITIE-
S(*11318); MUSCLE SYST-PHYSIOL,BIOCHEM(*17504); NERVOUS
SYST-ANATOMY(20502); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504);
DEVELOPMTNL BIOL-GENL,DESCRIPTIVE(25502); DEVELOPMTNL BIOL-EX-
PERIMENTAL(*25504); DEVELOPMTNL BIOL-GEN MORPHGENSIS(*25508)
Systematic codes: CAUDATA(85304)

17053974
SHORT-RANGE AND LONG-RANGE CONTROL OF PATHWAY GUIDANCE OF
EXTENDING AXONS

JACOBSON C-O
ZONN (6). 1978 (RECD 1979) 169-173 Coden: ZONNB
Descriptors: AMBYSTOMA-MEXICANUM MAUTHNER CELL CHEMO TROPISM
CENTRAL NERVOUS SYSTEM
Concept codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOPHYS-BIO-
CYBERNETICS(10515); MUSCLE SYST-PHYSIOL,BIOCHEM(17504); SENSE
ORGANIS-PHYSIOL,BIOCHEM(*20004); NERVOUS SYST-PHYSIOL,BIOCHEM-
(*20504); DEVELOPMTNL BIOL-GENL,DESCRIPTIVE(25502); DEVELOPMTNL
BIOL-EXPERIMENTAL(*25504); DEVELOPMTNL BIOL-GEN MORPHGENSIS(*-
25508)
Systematic codes: CAUDATA(85304)

17053960
EXTRACELLULAR MATRIX ORGANIZATION AND EARLY NEURAL CREST
CELL MIGRATION IN THE AXOLOTL EMBRYO

17047494
A MODEL OF POSITIONAL DIFFERENTIATION OF LIMB DEVELOPMENT

PERIOD BIOL 80 (1). 1978 (RECD 1979) 99-100 Coden: PDBIA
Descriptors: ABSTRACT AXOLOTL MESENCHYME CELL SKELETON
Concept codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOPHYS-BI-
OCYBERNETICS(10515); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108);
CHORDATE BODY REGNS-EXTREMITIES(*11318); PHYSIOLOG-GENERAL
STUDIES(12002); BONE,JNTS,FASC,CONN/ADIP-GENL(18001); BONE,JN-
TS,FASC,CONN/ADIP-ANATOMY(18002);
BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(*18004); DEVELOPMTNL BIOL-GE-
NL,DESCRIPTIVE(*25502); DEVELOPMTNL BIOL-GEN MORPHGENSIS(*255-
08)
Systematic codes: CAUDATA(85304)

LOFBERG J; AHLFORS K
ZONN (6). 1978 (RECD 1979) 87-101 Coden: ZONNB
Descriptors: AMBYSTOMA-MEXICANUM PROTEO GLYCANS COLLAGEN
LIGHT MICROSCOPY SCANNING ELECTRON MICROSCOPY TRANSMISSION
ELECTRON MICROSCOPY CYTO FRACTURE
Concept codes: MICROSCOPY-GENL,SPECL TECHNIQUES(01052);
ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
ECOLOGY-WATR RESCH,FISHERY BIOL(07517); BIOCHEM STUD-PROTEIN-
S,PEPTIDES,AMINO ACID(10064); BIOCHEM STUD-CARBOHYDR.(10068);
BIOPHYS-MEMBRANE PHENOMENA(*10508); EXTERN EFF-COLD(10616);
MOVEMENT(12100); NERVOUS SYST-PHYSIOL,BIOCHEM(*20504);
MOVEMENT(12100); TEMPERATURE-GENL,METHS(23001); TEMPERATURE-CRYOBIOLOG(23004);
DEVELOPMTNL BIOL-GENL,DESCRIPTIVE(*25502); DEVELOPMTNL
BIOL-GEN MORPHGENSIS(*25508)
Systematic codes: CAUDATA(85304)

17046833

**ONTOGENESIS OF IMMUNO GLOBULINS BOUND TO THE MEMBRANE OF
LYMPHOCYTES IN THE AXOLOTL AMPHIBIAN URODELA
AMBYSTOMA-MEXICANUM**

CHARLEMAGNE J

ANN IMMUNOL (PARIS) 129 (5). 1978 736 Coden: ANIMC

Descriptors: ABSTRACT STAPHYLOCOCCI MAMMAL RABBIT ANTI
IMMUNO GLOBULIN M ANTIBODY IMMUNO FLUORESCENCE

Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM STUD-PROTEINS,PEPTID-
ES,AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068);
BIOPHYS-MEMBRANE PHENOMENA(*10508); BLOOD/BODY FLDS-BLOOD CELL
STUDS(*15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(*15008);
DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(*25502); BACTERIA-PHYSIOLOG-
Y,BIOCHEMISTRY(31000); MICROBIOLOG APPARAT,METHS,MEDIA(32000);
IMMUNOL/IMMUNOCHEM-BACT,VIR,FUNG(34504);
IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)

Biosystematic Codes: MICROCOCCACEAE(05510); CAUDATA(85304);
MAMMALIA-UNSPECIFIED AND EXTINCT(85700); LEPORIDAE(86040)

17044186

**CHLORIDE DEPENDENT SODIUM TRANSPORT IN THE SKIN OF
AMBYSTOMA-MEXICANUM**

ACEVES J; CUTHBERT A W

J PHYSIOL (LOND) 289. 1979 79P Coden: JPHYA

Descriptors: ABSTRACT

Concept Codes: MINERALS(10069); MINERALS(*13010); INTEGUMENT
SYST*PHYSIOL,BIOCHEM(*18504)

Biosystematic Codes: CAUDATA(85304)

17034117

**XANTHINE DEHYDROGENASE AND AMPHIBIAN PIGMENT CELL
DIFFERENTIATION**

FROST S K; BAGNARA J T

J CELL BIOL 79 (2 PART 2). 1978 32A Coden: JCLBA

Descriptors: ABSTRACT MEXICAN AXOLOTL LARVAE MEXICAN LEAF
FROG ALLOPURINOL ENZYME INHIBITOR-DRUG XANTHOPHORES IRIDOPHORE
PHENOTYPE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/C-
YTOGENET-ANIMAL(*03506); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(100-
62); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064);
ENZYMES-CHEM,PHYSICAL STUDIES(10806); ENZYMES-PHYSIOLOGICAL
STUDIES(*10808); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(*11108);
METABOLISM-PROTNS,PEPTDS,AM ACDS(13012); METABOLISM-NUCL
ACD,PURINS,PYRIM(13014); INTEGUMENT SYST-PHYSIOL,BIOCHEM(*185-
04); PHARMACOL-DRUG METAB,METAB STIMU(*22003); PHARMACOL-INTE-
GUMENT,DENTAL/ORAL(*22020); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE-
(*25502)

Biosystematic Codes: CAUDATA(85304); SALIENTIA(85306)