

created which protects the most susceptible areas on the back and sides of the thumb, forefinger, and the area of the hand there between. This offers the notable advantage of preventing infections from accidental needle sticks. This invention is particularly useful during the risky task of inserting a twisted or kinked needle (such as a Huber needle) into a pot-a-cath. Stage of Development: prototype built. (portfolio: Devices/Instrumentation—Environmental Technology, prevention, apparatus; Devices/Instrumentation—Miscellaneous)

#### Separation of Polar Compounds by Affinity Countercurrent Chromatography

Y Ma, Y Ito (NHLBI)

Filed 14 Aug 95

Serial No. 08/514,917

Patent Status: U.S. patent application pending, foreign rights available

A new and highly advantageous method of purifying polar organic compounds using affinity countercurrent chromatography, has been created. This invention permits separation of very hydrophilic organic compounds using countercurrent chromatography in which a ligand for the desired analytes is used to enhance the partitioning of polar species into the organic layer of an aqueous-organic solvent mixture. Examples of polar organic compounds which may be recovered using the present invention include: compounds having two or more functional groups on each molecule which are hydroxyl, amino, acid or lower acyl (e.g., catecholamines, carbohydrates, polyalcohols, polyamines, amino acids, peptides, and nucleic acids). Stage of Development: completed and tested. (portfolio: Devices/Instrumentation—Research Tools, devices, chromatographic)

#### Apparatus and Method for the In-Situ Detection of Areas of Cardiac Electrical Activity

H Bassen, V Krauthamer (FDA)

Filed 11 Aug 95

Serial No. 08/513,713

Patent Status: U.S. patent application pending and foreign rights available

This invention provides new means for diagnosis (e.g., two dimensional mapping) and treatment of electrically-active tissue without the need for surgery. For example, electrical activity of the heart may be mapped *in vivo*, in a minimally invasive manner, without cutting either the chest wall or the heart wall. The invention employs a multifibered endoscope and multiple tissue dyes to map electrical activity.

This permits identification and treatment of potentially lethal electrical abnormalities without surgery. In regard to the cardiac diagnosing aspect of this invention alone, over 400,000 people die in the U.S. each year from cardiac electrical rhythm diseases. This invention provides a minimally invasive and less expensive means for diagnosis and treatment of such diseases. (portfolio: Devices/Instrumentation—Diagnostics, devices, invasive; Devices/Instrumentation—Diagnostics, imaging; Devices/Instrumentation—Therapeutics, devices)

#### Displacement Countercurrent Chromatography

Y Ito (NHLBI)

Serial No. 08/263,924 Filed 21 June 94

U.S. Patent No. 5,449,461 issued 12 Sep 95

A new method of preparative scale pH-zone refining countercurrent chromatography has been invented, which may be operated analogously to displacement chromatography. It has been discovered that use of a retainer base or acid in the stationary phase retains analytes in the column. The analytes may then be eluted using a displacer acid or base in order of increasing or decreasing pKa or hydrophobicity. This invention has many advantages, including: producing a train of highly concentrated rectangular solute peaks with minimum overlap; the retaining and displacing compositions may be switched (i.e., the retaining material may be made the displacing material, and vice versa); eluted material is provided as a salt free acid or base in an organic solvent, which can easily be separated by evaporating the solvent; the displacement mode of this invention may be utilized in a ligand-affinity separation which may cover a broad range of analytes, including nonionizable compounds; allowing the sample to be loaded onto the separation column as a suspension, or as a mixture of compounds that are only partially soluble in the solvent system, and; permitting the separation of greater volumes than with previous methods. (portfolio: Devices/Instrumentation—Research Tools, devices, chromatographic)

#### Method for In Situ Testing of Integrity of Electrical Stimulator Leads

R Schmukler (FDA)

Filed 21 Jun 94

Serial No. 08/263,312

This invention provides an in situ method for testing the integrity of the insulation of electrical stimulators

leads. It allows the electrical stimulator to measure and thereby continually monitor the insulation of its leads. By being able to detect premature degradation of the leads of implanted electrical stimulators, e.g., pacemakers, unexpected failures of the device can be reduced. Replacement of the electrical stimulator leads in the heart is a traumatic process, to be avoided unless necessary. Currently available pacemakers and other implanted electrical stimulators do not allow for accurate monitoring of the lead insulation, so that advance warning of degradation may be obtained. This invention allows for the degradation of the lead insulation to be detected earlier than is now possible, thereby providing warning of potential failure before it becomes critical to the patient. (portfolio: Devices/Instrumentation—Therapeutics, devices, implants)

#### A Detection Device and Quantification Method for Therapeutic Agents in Blood

E Kohn, L Liotta (NCI)

Serial No. 08/041,438 filed 31 Mar 93

U.S. Patent No. 5,405,782 issued 11 Apr 95

New methods have been invented which provide improved determination of therapeutic agents in blood. A solid phase extraction of a solute from plasma is followed by reverse phase high performance liquid chromatography on a column of irregularly shaped C-18 liquid chromatography on a column of irregularly shaped C-18 modified silica. By comparing the chromatogram produced by this invention with a standard, a precise and accurate quantification of the amount of solute in the blood may be made. This invention also has the advantage of facilitating automation of the extraction and chromatography steps, thereby permitting rapid testing of a plurality of samples. (portfolio: Devices/Instrumentation—Research Tools, devices, chromatographic; Devices/Instrumentation—Research Tools, devices, separation; Cancer—Therapeutics, conventional chemotherapy, antimetabolites)

Dated: July 30, 1996.

Barbara M. McGarey,

Deputy Director, Office of Technology Transfer.

[FR Doc. 96-20267 Filed 8-7-96; 8:45 am]

BILLING CODE 4140-01-M

**DEPARTMENT OF THE INTERIOR****Bureau of Land Management**

[AK-962-1410-00-P; AA-8103-15, AA-8103-17]

**Notice for Publication; Alaska Native Claims Selection**

In accordance with Departmental regulation 43 CFR 2650.7(d), notice is hereby given that a decision to issue conveyance under the provisions of Sec. 14(e) of the Alaska Native Claims Settlement Act of December 18, 1971, 43 U.S.C. 1601, 1613(e), and Sec. 14 of the Alaska Land Status Technical Corrections Act of 1992, 43 U.S.C. 1621(c)(2), will be issued to Doyon, Limited for approximately 1,561 acres. The lands involved are in the vicinity of Flat, Alaska, within Tps. 26 and 27 N., Rs. 47 W., Seward Meridian, Alaska.

A notice of the decision will be published once a week, for four (4) consecutive weeks, in the Anchorage Daily News. Copies of the decision may be obtained by contacting the Alaska State Office of the Bureau of Land Management, 222 West Seventh Avenue, #13, Anchorage, Alaska 99513-7599 (907) 271-5960.

Any party claiming a property interest which is adversely affected by the decision, an agency of the Federal government or regional corporation, shall have until September 9, 1996 to file an appeal. However, parties receiving service by certified mail shall have 30 days from the date of receipt to file an appeal. Appeals must be filed in the Bureau of Land Management at the address identified above, where the requirements for filing an appeal may be obtained. Parties who do not file an appeal in accordance with the requirements of 43 CFR Part 4, Subpart E, shall be deemed to have waived their rights.

Carolyn A. Bailey,

*Land Law Examiner, ANCSA Team, Branch of 962 Adjudication.*

[FR Doc. 96-20204 Filed 8-7-96; 8:45 am]

BILLING CODE 4310--55-P

[UT-910-06-1020-00]

**Notice**

**AGENCY:** Bureau of Land Management, Interior.

**ACTION:** Notice of Availability of Draft Standards for Rangeland Health and Guidelines for Grazing Management on BLM Lands in Utah and related Land Use Planning/NEPA Compliance Document.

**SUMMARY:** The Bureau of Land Management (BLM) is soliciting public review and comment of the recently completed Draft Standards for Rangeland Health and Guidelines for Grazing Management document as well as an accompanying Land Use Planning/NEPA Compliance Document. The "Standards and Guidelines" document explains how the BLM in Utah intends to comply with the requirements of BLM's grazing regulations of August, 1995 (43 CFR part 4100). The Land Use Planning/NEPA Compliance Document explains how BLM in Utah will meet the requirements of the National Environmental Policy Act (NEPA) and Federal Land Use Planning and Management Act (FLPMA).

**DATES:** Comments will be accepted during the 60 day period commencing with publication of this Notice. Public meetings will be conducted in September, times and places to be announced through the media and direct mailings.

**FOR FURTHER INFORMATION CONTACT:** Deane Zeller, Team Leader, Bureau of Land Management, Utah State Office, 324 So. State Street, Salt Lake City, UT 84111-2303; phone (801) 539-4052; Fax (801) 539-4070; or dzeller@ut.blm.gov on the Internet.

**SUPPLEMENTARY INFORMATION:** The Utah BLM Resource Advisory Council and BLM in Utah has developed Draft Standards and Guidelines (S&G's) pursuant to the regulations approved by the Secretary in August, 1995. After the 60-day public comment period, Final S&G's will be developed which, when approved by the Secretary, will be State Director's Policy and will be used by all BLM offices in Utah as guidance for land use planning, developing rangeland improvement projects, issuing grazing permits and leases, and general grazing administration. Because the Draft S&G's are nearly identical to the "minimum" and "fallbacks" analyzed in the EIS for Rangeland Reform '94, no detailed NEPA analysis is performed at this time. Scoping by BLM could not identify issues or impacts different than those addressed in the nationwide EIS. NEPA analysis will be performed on implementation actions, such as land use plan amendments, preparation of new land use plans, permit issuance, rangeland improvements, etc. and prior to any decisions taken under these Standards and Guidelines.

Refer to the Land Use Plan/NEPA Compliance Record for additional

information concerning planning and NEPA requirements.

G. William Lamb,

*Utah State Director.*

[FR Doc. 96-20240 Filed 8-7-96; 8:45 am]

BILLING CODE 4310-DQ-P

[CO-070-5101-CO12]

**Notice of Intent to Prepare an Environmental Impact Statement (EIS) and Notice of Scoping Meetings, on a Proposed Replacement Raw Water Pipeline in Mesa County, Colorado**

**AGENCY:** Bureau of Land Management, Interior.

**ACTION:** Notice of Intent to Prepare an Environmental Impact Statement (EIS) and Notice of Scoping Meetings, on a proposed Replacement Raw Water Pipeline in Western Colorado.

**SUMMARY:** Pursuant to section 102 (2) (C) of the National Environmental Policy Act of 1969 (NEPA), the Grand Junction Resource Area office, Grand Junction District, will be directing the preparation of a NEPA document. The NEPA document will be an EIS. The document will be prepared by a third party contractor, and will address impacts of the Plateau Creek Pipeline Replacement project proposed by the Ute Water Conservancy District (Ute Water). The project is a raw water conveyance system proposed on private and public lands in Mesa County, Colorado to replace a deteriorated and under sized pipeline currently approved under BLM ROW grant C 081282.

**DATES:** Written comments will be accepted until 4:00 PM, MST, on September 23, 1996. A public scoping meeting/workshop will be held from 3:00-7:00 PM on August 28, 1996, at the Two Rivers Convention Center, 159 Main Street, Grand Junction, Colorado.

**ADDRESSES:** Comments should be sent to the Grand Junction Area Manager, Bureau of Land Management, 2815 H Road, Grand Junction, CO 81506, ATTN: Plateau Creek Pipeline Replacement Project.

**FOR FURTHER INFORMATION CONTACT:** Dave Stevens, (970) 244-3009.

**SUPPLEMENTARY INFORMATION:** The existing Plateau Creek Pipeline is an essential part of the Ute Water system which provides water to more than 55,000 Grand Valley residents. The Ute Water service area includes most of the Grand Valley area surrounding the City of Grand Junction, Colorado, and extends from east of the Town of Palisade to within 5 miles of the Colorado-Utah stateline. Ute Water is a political subdivision of the State of