MINUTES FOR THE MEETING OF THE BOARD OF LAND AND NATURAL RESOURCES

DATE:

FRIDAY, SEPTEMBER 14, 2001

TIME:

9:00 A.M.

PLACE:

KALANIMOKU BUILDING

LAND BOARD CONFERENCE ROOM 132

1151 PUNCHBOWL STREET

HONOLULU, HAWAII

Chairperson Gilbert Coloma-Agaran called the meeting of the Board of Land and Natural Resources to order at 9:20 a.m. The following were in attendance:

MEMBERS:

Mr. Gilbert Coloma-Agaran

Ms. Kathryn Inouye

Mr. Timothy Johns

Mr. Ted Yamamura

STAFF:

Mr. Sam Lemmo, Land Division

Mr. Dan Quinn, Division of State Parks

Mr. Bill Devick, Division of Aquatic Resources

Mr. Harry Yada, Land Division
Ms. Dede Mamiya, Land Division

Mr. Andy Monden, Land Division

OTHERS:

Mr. Ray Enos, Department of the

Attorney General

Mr. Roger Harris, D-4

Mr. Rick Tsujimura, D-21

Mr. Murray Bawden, D-14

Mr. Bill Aila, D-14 and D-20

Mr. Peter Garcia, Department of

Transportation

Mr. Bob McLaren, D-5

Mr. Chester Koga, D-14

Mr. Dave Raney, D-14

ivii. Dave Railey, D-17

Mr. Bill Tam, D-3

ITEM A-1: APPROVAL OF THE DECEMBER 15, 2000 MINUTES

Deferred - no quorum.

ITEM A-2: APPROVAL OF THE JULY 13, 2001 MINUTES

The Board amended the minutes by including written corrections submitted by Member Holschuh, as follows:

Page 9, item D-32, no. 4, line 2, to read: "... Amnesty Program and who have unauthorized..."

Page 10, item B-1, paragraph 2, to read: "...Pacific Region, National Marine..."

Unanimously approved as amended (Johns/Inouye).

ITEM D-1: ADDITIONAL EXTENSION OF THE 180-DAY PROCESSING PERIOD CONSERVATION DISTRICT USE APPLICATION FOR THE HILL SINGLE FAMILY RESIDENCE AT ALIOMANU, KAWAIHAU, KAUAI, TMK: (4) 4-9-005: 05

Mr. Sam Lemmo, Staff Planner for the Land Division, briefed the Board and recommended that the Board approve the additional extension.

The Board approved staff's recommendation by adding the following language:

"The Board delegates the authority to the Chairperson to select a Contested Case Hearing Officer, subject to review of the Sunshine Law."

Unanimously approved as amended (Johns/Inouye).

ITEM D-4: CONSERVATION DISTRICT USE APPLICATION BY PIA-KONA LIMITED PARTNERSHIP FOR ROADWAY AND WATER SYSTEM IMPROVEMENTS AT KAUPULEHU, NORTH KONA, HAWAII, TMK: 3RD/7-2-03:03

Mr. Lemmo briefed the Board and recommended that the Board approve the Kaupulehu Roadway and Water System Improvements, subject to terms and conditions.

Mr. Roger Harris, Vice President of PIA-Kona Limited Partnership, was present to answer questions.

Unanimously approved as submitted (Johns/Inouye).

ITEM D-5: CONSERVATION DISTRICT USE APPLICATION - PROPOSED FAULKES TELESCOPE FACILITY AT HALEAKALA, MAKAWAO, MAUI, HAWAII, TMK: (2) 2-2-07: 08

Mr. Lemmo briefed the Board and recommended that the Board approve the request for construction of the Faulkes Telescope Facility at Haleakala, subject to conditions.

Mr. Bob McLaren, Associate Director of the University of Hawaii, Institute for Astronomy, was present to answer questions.

The Board amended staff's recommendation as follows:

- 6) "Any work or construction to be done on the land shall be initiated within one (1) year of the approval of such use, and all work and construction must be completed within [four] three (3) years of the approval of such use;"
- 8) "The Applicant shall provide documentation (i.e. book/page document number) that this approval has been placed in recordable form as a part of the deed instrument[, prior to submission for approval of subsequent construction plans];"
- 11) "The Applicant agrees to submit a report to the Department of Land and Natural Resources on the status of long range development plan for the Haleakala Observatories one year after approval of this permit, and prior to additional requests for further improvements within the Haleakala Observatory. The Applicant will comply with Chapter 343 of the Hawaii Revised Statutes during the preparation of the Long Range Development Plan;"

Unanimously approved as amended (Yamamura/Inouye).

ITEM D-21: CONSENT TO ASSIGN GENERAL LEASE NO. S-5173, HAWAII PACIFIC BAPTIST CONVENTION, ASSIGNOR, TO HAWAII BAPTIST ACADEMY, ASSIGNEE, HONOLULU, OAHU, TMK: (1) 2-2-22: 19

Mr. Harry Yada, Acting Administrator of the Land Division, amended staff's recommendation by changing "Hawaii Baptist Pacific Convention", to "Hawaii Pacific Baptist Convention". Staff's recommendation is that the Board consent to the assignment, subject to terms and conditions.

Mr. Rick Tsujimura, on behalf of Hawaii Baptist Academy, was present to answer questions.

Unanimously approved as amended (Inouye/Yamamura).

The Board recessed at 10:25 a.m. The meeting was reconvened at 10:40 a.m.

ITEM D-14: CONSERVATION DISTRICT USE APPLICATION NO. OA-3023 FOR AN UNDERSEA FIBER OPTICS TELECOMMUNICATIONS SYSTEM AT KAHE POINT BEACH PARK AND LUALUALEI BEACH PARK, ISLAND OF OAHU

Mr. Lemmo briefed the Board and recommended that the Board approve the application for submarine fiber optic cable landing project at Kahe Point Beach Park, and Lualualei Beach Park, Oahu, but modify the Applicant's request by requiring horizontal directional drilling (HDD) at both sites, subject to terms and conditions.

In response to a question raised by the Board, staff clarified that the 180-Day Exp. Date should be changed from "12/1/2002", to "12/1/2001".

Mr. Chester Koga, R.M. Towill Corporation, representing Tycom Networks, Inc., requested that the Board allow them to do trenching as opposed to HDD at Kahe Point Beach Park. Condition no. 8.a.) that reads: "Marine Conservation activities shall be conducted within the period between April through October to avoid potential conflicts and harm to migratory whales", he indicated that the cable installation could possibly take place between the November and March timeframe, and asked that additional language be added suggesting that Federal laws be followed and measures be taken to avoid the migratory whales. Condition no. 8.b.) that reads: "...In addition, the drilling contractor shall use seawater as a cooling agent in the last two meters of drilling to eliminate the risk of release of bentonite or other lubricants in the ocean", he requested that the contractor be able to use freshwater as an option, and evaluated the impact as being insignificant because the total volume of freshwater being released would not be sufficient qualities that would change the salinity factor of the area.

There was some discussion. Member Johns understood that in other coastal States, policies have been developed with criteria establishing corridors notwithstanding the desires of the companies to have separation. He was concerned about the Board continuing to do piece meal approvals without statewide policy. Member Inouye asked that policies from other States be looked at, and questioned the need for empty conduits at each landing site. Mr. Murray Bawden, representing Tycom Network, Inc, indicated that there have been some efforts made this time around to make sure that they do co-locate or cooperate with competing companies. He explained their plans in co-locating different systems in the same trench, and indicated that the additional conduits at each landing site are for the possibility of future landings and to avoid any environmental impacts. Mr. Koga clarified that at the manholes there would be 4 conduits at each location, but only 2-conduits would actually go towards the ocean.

Mr. Dave Raney, Chairperson of the Sierra Clubs National Working Group on Corals, indicated that he strongly endorses Member Johns observations that other States have developed policies, that the accumulative impacts of multiple applications should be expected and looked at, and that caution should be taken in piece meal granting. He was concerned about impacts to the Kahe Point area should the Applicant be allowed to do trenching versus HDD, and the possible effects freshwater may have in areas where coral reef may be present.

Mr. Bill Aila, DLNR employee testifying as an Individual, also agreed with Member Johns, that there is a great need for a master plan for cable landing easements. He indicated that the Waianae Community was not in support of the original proposal, but has since been able to work out issues with the Applicant and agrees with the present plan. He commented on the HDD, and requested, through the Historic Preservation Division, that someone come up with a minimum depth at the shoreline in which the HDD occurs.

Member Johns asked that staff provide the Board with a briefing on the status of the statewide policy for cable landings, and requested that representatives of R.M. Towill Corporation and Tycom Networks Inc., be present and assist the staff in gathering pertinent information. Both Mr. Koga and Mr. Bawden agreed.

The Board made the following amendments:

- Page 1 Change the 180-Day Exp. Date to "12/1/2001".
- Page 35 Change staff's recommendation as follows:
 - 8. a. "Marine Construction activities shall be conducted within the period between April through October to avoid potential conflicts and harm to migratory whales. If Marine Construction activities fall outside these periods, the Applicant must adhere strictly to all Federal Regulations in place to protect migratory whales;
 - 8. b. "A dive team equipped with a submersible pump shall be stationed at the exit bore to contain any released lubricant. In addition, the drilling contractor shall use seawater or freshwater as a cooling agent in the last two meters of drilling to eliminate the risk of release of bentonite or other lubricants in the ocean;"
 - 8. d. "* That the Applicant consult with the Historic Preservation Division to determine the appropriate minimum depth at the shoreline in which HDD occurs."
- Page 36 Change lettering on staff's recommendation no. 8., from "d, e, f," to "e, f, g".
- Page 37 Add a condition:
 - "17. The Board shall be provided with a briefing by staff on a statewide cable landing policy prior to the next application for a cable landing permit.

Unanimously approved as amended (Inouye/Yamamura).

ITEM D-3: CONSENT TO ASSIGN GENERAL LEASE NOS. S-4878, S-4740, S-4645, S-4244, AND GRANT OF EASEMENTS BY LAND OFFICE DEED NO. S-27,442 AND S-12,850, WAILUA ASSOCIATES, ASSIGNOR, TO COCO KAUAI, LLC, ASSIGNEE; TERMINATION OF REVOCABLE PERMIT NOS. S-6234 AND S-6233 AND ISSUANCE OF REVOCABLE PERMITS TO COCO KAUAI, LLC, PORTION OF GOVERNMENT LANDS OF KAWAIHAU, KAUAI, HAWAII, TMKs: 4-1-5: POR. 17, 4-1-3: PORTIONS OF 5, 17, 39 AND 44

Mr. Yada briefed the Board and recommended that the Board consent to the assignment from Wailua Associates to Coco Kauai LLC, authorize the cancellation of revocable permit to Wailua Associates, and authorize the issuance of new revocable permits to Coco Kauai LLC, subject to terms and conditions. He amended the staff's recommendation by adding 2-conditions, "1) The Board's action is subject to the satisfactory closing of the sale transaction between Wailua Associates and Coco Kauai, LLC within 60 days of the Board's approval.", and 2) "The Chairperson is delegated the authority to extend the date another sixty days as he deems appropriate."

Mr. Bill Tam, representing Wailua Associates, was present to answer questions.

Unanimously approved as amended (Johns/Yamamura).

ITEM K-1: ISSUANCE OF A RIGHT-OF-ENTRY TO THE DEPARTMENT OF THE ARMY, UNITED STATES OF AMERICA, FOR REPAIRS TO THE EAST BREAKWATER AT KAHULUI HARBOR, MAUI, TMK: (2)-3-7-10-13P

Mr. Peter Garcia, Property Management Officer for the Department of Transportation, briefed the Board and recommended that the Board authorize the issuance of a right-of-entry, subject to terms and conditions.

Unanimously approved as submitted (Yamamura/Inouye).

The Board recessed at 12:00 p.m. The meeting was reconvened at 1:25 p.m.

ITEM D-20: AFTER-THE-FACT REQUEST TO EXTEND A LEASE WITH UNITED STATES OF AMERICA, BETWEEN THE SECRETARY OF THE ARMY ON BEHALF OF THE DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF STATE PARKS AT MAKUA, OAHU, TMKs: (1) 8-1-1: 1, 2, 9, 10 AND 8-2-1: 2, 9, 10

Mr. Yada briefed the Board and recommended that the Board authorize an after-the-fact 5-year extension, subject to terms and conditions.

Mr. Aila, testifying as an Individual, was concerned about the State taking on the liability and maintenance of the area that the public is not using. The public uses the area makai of the park and majority of the property is mauka of the park area.

Mr. Dan Quinn, Administrator of the Division of State Parks, indicated that the lease is for parcels that are makai of the highway, and parcels that are in the lease do not include the mauka area.

The Board asked that staff research the possibility of acquiring the kuleana parcels that are the subject of this submittal either through donation by the Federal Government or exchange.

Unanimously approved as submitted (Inouye/Yamamura).

ITEM B-1: REQUEST FOR RE-APPROVAL TO HOLD PUBLIC HEARINGS TO ESTABLISH HAWAII ADMINISTRATIVE RULES, CHAPTER 13-60.5, NORTHWESTERN HAWAIIAN ISLANDS FISHERIES MANAGEMENT AREA

Mr. Bill Devick, Administrator of the Division of Aquatic Resources, briefed the Board and recommended that the Board approve the holding of public hearings for the establishment of Hawaii Administrative Rules, Chapter 13-60.5, Northwestern Hawaiian Islands Fisheries Management Area.

The Board deferred this item at the request of some people from the neighbor islands that were unable to attend because of problems in booking airline reservations as a result of the airport shut down.

Deferred (Johns/Inouye).

ITEM B-2: REQUEST FOR FINAL ADOPTION OF AMENDMENTS TO HAWAII ADMINISTRATIVE RULES, CHAPTER 58, KONA COAST, HAWAII FISHERIES MANAGEMENT AREA

Mr. Devick briefed the Board and recommended that the Board approve the proposed final amendments of the Hawaii Administrative Rules, Chapter 58, Kona Coast, Hawaii Fisheries Management Area.

Unanimously approved as submitted (Johns/Yamamura).

ITEM C-1: REQUEST FOR APPROVAL OF SAFE HARBOR AGREEMENT AND INCIDENTAL TAKE PERMIT FOR KOLOA (HAWAIIAN DUCK) AND NENE (HAWAIIAN GOOSE) ON UMIKOA RANCH, ISLAND OF HAWAII

The Board deferred this item.

Deferred (Johns/Inouye).

ITEM D-2: REQUEST FOR EXTENSION OF TIME TO COMPLETE CONSTRUCTION OF IMPROVEMENTS REQUIRED AS A SPECIAL CONDITION OF GENERAL LEASE NO. S-5471, THE OUTDOOR CIRCLE, A HAWAII CORPORATION, DBA WAIMEA OUTDOOR CIRCLE, WAIMEA, SOUTH KOHALA, HAWAII, TMK: (3) 6-6-003: 007

Mr. Yada requested that condition nos. 1 and 2 be deleted, as the Applicant has made sufficient effort, and the date should be extended without creating more deadlines. Staff's recommendation is that the Board authorize an extension to the time to complete construction of improvement requirements.

Chairperson Coloma-Agaran noted that written testimony was received from the Waimea Outdoor Circle.

Unanimously approved as amended (Johns/Inouye).

TERMINATION OF REVOCABLE PERMIT NO. S-7187 AND ISSUANCE OF REVOCABLE PERMIT TO MR. DARIUS T. AND MRS. VAN T.L. WU, PORTION OF GOVERNMENT LANDS OF KAPAA TOWN LOTS, KAWAIHAU, KAPAA, KAUAI, TMK: 4-5-13: 26 & 32

Mr. Yada briefed the Board and recommended that the Board approve the cancellation of Revocable Permit No. S-7187, and approve the issuance of a revocable permit to Mr. and Mrs. Wu, subject to terms and conditions.

Unanimously approved as submitted (Johns/Inouye).

ITEM D-7: DIRECT SALE OF A PERPETUAL, NON-EXCLUSIVE EASEMENT TO MR. JOHN H. LARSEN AND MS. WENONAH M. CASTRO AND CANCELLATION OF GENERAL LEASE NO. S-3981, PAUOA VALLEY, HONOLULU, OAHU, TMK: 2-2-16: 64 & 65

Mr. Yada briefed the Board and recommended that the Board authorize the direct sale of a perpetual, non-exclusive easement subject to terms and conditions.

Unanimously approved as submitted (Inouye/Yamamura).

ITEM D-8: EXTENSION OF REVOCABLE PERMIT NOS. S-7244 AND S-7245 TO MS. KUUIPO MALEPE & MR. MOSES KAHALA AND TO MS. LENA SOLIVEN & MR. TROY WALLACE AT KAHANA VALLEY STATE PARK, OAHU, TMK: (1) 5-2-2: PORTION 1

Ms. Dede Mamiya, Assistant Administrator for the Land Division, briefed the Board and recommended that the Board extend the permits to December 31, 2001. She requested an amendment to staff's recommendation by adding a requirement that if the permittees do not submit the required liability insurance by October 31, 2001, the permits should be automatically cancelled.

Unanimously approved as amended (Inouye/Yamamura).

ITEM D-9: CANCEL REVOCABLE PERMIT NO. S-6274 TO MR. CHARLES VIERRA AND RESCIND PRIOR BOARD APPROVAL TO ISSUE A NEW REVOCABLE PERMIT TO MR. STEWART VIERRA, KAHANA VALLEY STATE PARK, OAHU, TMK: (1) 5-2-2: PORTION 1

Ms. Mamiya briefed the Board and recommended that the Board amend its action of June 23, 2000, by rescinding its authorization to issue a new revocable permit to Mr. Stewart Vierra.

Unanimously approved as submitted (Inouye/Yamamura).

ITEM D-13: PERMISSION TO HIRE CONSULTANT FOR KIKALA-KEOKEA SUBDIVISION INFRASTRUCTURE DEVELOPMENT, ISLAND OF HAWAII

Mr. Andy Monden, Chief Engineer for the Land Division, briefed the Board and recommended that the Board authorize hiring of a consultant for the completion of infrastructure development for the Kikala-Keokea subdivision and authorize the Chairperson to sign the necessary documents related to the retaining of such services.

The Board amended the submittal by replacing the word "completion" with the word "design" in both the first paragraph and recommendation paragraph.

Unanimously approved as amended (Johns/Yamamura).

ITEM D-16: GRANT OF AFTER-THE-FACT PERPETUAL, NON-EXCLUSIVE EASEMENT TO MR. LAFAYETTE AND MRS. BEVERLY YOUNG AND MR. BARRON THOMAS SOUZA, JR. AND MRS. MELISSA-ANN MOANIKEALA SOUZA FOR ACCESS AND UTILITY PURPOSES, HONOPOU, MAKAWAO, MAUI, TMK: (2) 2-9-001: POR. 011

Mr. Yada briefed the Board and recommended that the Board authorize the direct sale of a perpetual, non-exclusive easement, subject to terms and conditions.

Unanimously approved as submitted (Yamamura/Inouye).

ITEM D-17: GRANT OF PERPETUAL, NON-EXCLUSIVE EASEMENT TO MR. ROY S. AND MRS. ELIZABETH W. PIERSON, FOR ACCESS AND UTILITY PURPOSES, HONOPOU, MAKAWAO, MAUI, TMK: (2) 2-9-003: POR. 016, 017, 020 & 039

Mr. Yada briefed the Board and recommended that the Board authorize the sale of a perpetual, non-exclusive easement, subject to terms and conditions.

Unanimously approved as submitted (Yamamura/Inouye).

ITEM E-1: RENEWAL OF CURATOR AGREEMENT FOR THE BOTANICAL GARDEN AT IAO VALLEY STATE PARK, MAUI

Mr. Quinn briefed the Board and recommended that the Board approve the renewal of a 5-year term to Kanaka Maoli o Hawaii Nei as curator of the area.

Unanimously approved as submitted (Yamamura/Inouye).

ITEM D-18: CANCELLATION OF GRANT OF EASEMENT NO. S-5603, MR. VOLKER HILDEBRANDT AND MRS. CHARLOTTE Y. YAMANE, AND GRANT OF TERM, NON-EXCLUSIVE EASEMENT FOR AFTER-THE-FACT SEAWALL PURPOSES, LOT 52, KANEOHE, OAHU, TMK: (1) 4-5-47: SEAWARD OF PARCEL 46

Mr. Yada briefed the Board and recommended that the Board authorize the cancellation of grant of easement, authorize the sale of another term non-exclusive easement for seawall and footing purposes, subject to terms and conditions, facilitate the Applicants' need to complete the shoreline certification for building permit purposes, authorize collection of a deposit of \$2,400 representing the estimated consideration for the easement, and impose a \$500 fine for illegal encroachment.

Unanimously approved as submitted (Inouye/Yamamura).

ITEM D-10: REQUEST TO ENTER INTO A LEASE WITH CENTRAL PACIFIC BANK PROPERTIES, INC. ON BEHALF OF THE DEPARTMENT OF HEALTH AT HONOLULU, OAHU, TMK: (1) 2-7-16: PORTION 15

Mr. Yada briefed the Board and recommended that the Board approve the request to enter into a lease with Central Pacific Bank Properties on behalf of the Department of Health, subject to terms and conditions.

Unanimously approved as submitted (Inouye/Yamamura).

ITEM D-11: AMEND PRIOR BOARD ACTION OF JANUARY 16, 1998, AGENDA ITEM D-31, DIRECT SALE OF PERPETUAL, NON-EXCLUSIVE ANCHOR EASEMENT, TO THE HAWAII ELECTRIC LIGHT COMPANY, KOKOIKI, NORTH KOHALA, HAWAII, TMK: (3) 5-5-04: PORTION OF 6

Mr. Yada briefed the Board and recommended that the Board approve the amendments, subject to terms and conditions.

Unanimously approved as submitted (Johns/Inouye).

ITEM D-12: GRANT OF PERPETUAL, NON-EXCLUSIVE EASEMENT AND ISSUANCE OF CONSTRUCTION RIGHT-OF-ENTRY TO THE HAWAII ELECTRIC LIGHT COMPANY AND VERIZON HAWAII, FOR UTILITY ANCHOR PURPOSES, KAUMANA, SOUTH HILO, HAWAII, TMK: 3RD/2-4-55: PORTION OF 47

Mr. Yada briefed the Board and recommended that the Board approve the sale of a perpetual non-exclusive anchor easement, grant an immediate construction right-of-entry, subject to terms and conditions.

Unanimously approved as submitted (Johns/Yamamura).

ITEM D-15: ISSUANCE OF REVOCABLE PERMIT TO MR. EDWARD A.K. LEE AND MRS. LUCIA R. LEE, HUSBAND AND WIFE, KALAPANA, PUNA, HAWAII, TMK: 3RD/1-2-08: POR. 01

Mr. Yada briefed the Board and recommended that the Board authorize the issuance of a revocable permit, subject to terms and conditions.

Unanimously approved as submitted (Inouye/Yamamura).

ITEM D-19: RESCIND PRIOR BOARD ACTION OF JANUARY 26, 1996, (AGENDA ITEM F-1-B), CONSENT TO THE ISSUANCE OF A REVOCABLE PERMIT TO ALLIANCE AMERICAN FIRE PROTECTION, INC., DBA ALLIANCE MECHANICAL CONTRACTORS SITUATE KALIHI-KAI, HONOLULU, OAHU, TMK: 1-2-023: 6

Mr. Yada briefed the Board and recommended that the Board rescind its action of January 26, 1996, subject to terms and conditions.

Unanimously approved as submitted (Inouye/Yamamura).

ITEM D-22: AMEND PRIOR BOARD ACTION OF AUGUST 10, 1988, AGENDA ITEM F-20, PERPETUAL, NON-EXCLUSIVE EASEMENT FOR DRAINAGE DITCH, PEDESTRIAN WALKWAYS AND LAGOON PURPOSES, WAILUA, KAUAI, TMK: 4-1-3: 11

Mr. Yada briefed the Board and recommended that the Board authorize an amendment to previous action, changing it to a fee simple sale of the ditch, instead of an easement. He requested that 2 conditions be added to staff's recommendation: 1) The Board's action is subject to the satisfactory closing of the sale transaction between Wailua Associates and Coco Kauai, LLC within 60 days of the Board's approval., and 2) The Chairperson is delegated the authority to extend the date another sixty days as he deems appropriate.

Unanimously approved as amended (Johns/Inouye).

There being no further business, Chairperson Coloma-Agaran adjourned the meeting at 2:15 p.m.

Tapes of the meeting and all written testimony submitted at the meeting are filed in the Chairperson's Office and are available for review. Certain items on the agenda were taken out of sequence to accommodate applicants or interested parties present.

Respectfully submitted,

Kimberly C. Keliihoomalu

Kim Kelihoomalu

Approved for submittal:

Chairperson

Board of Land and Natural Resources

GILBERT S. COLOMA-AGARAN