

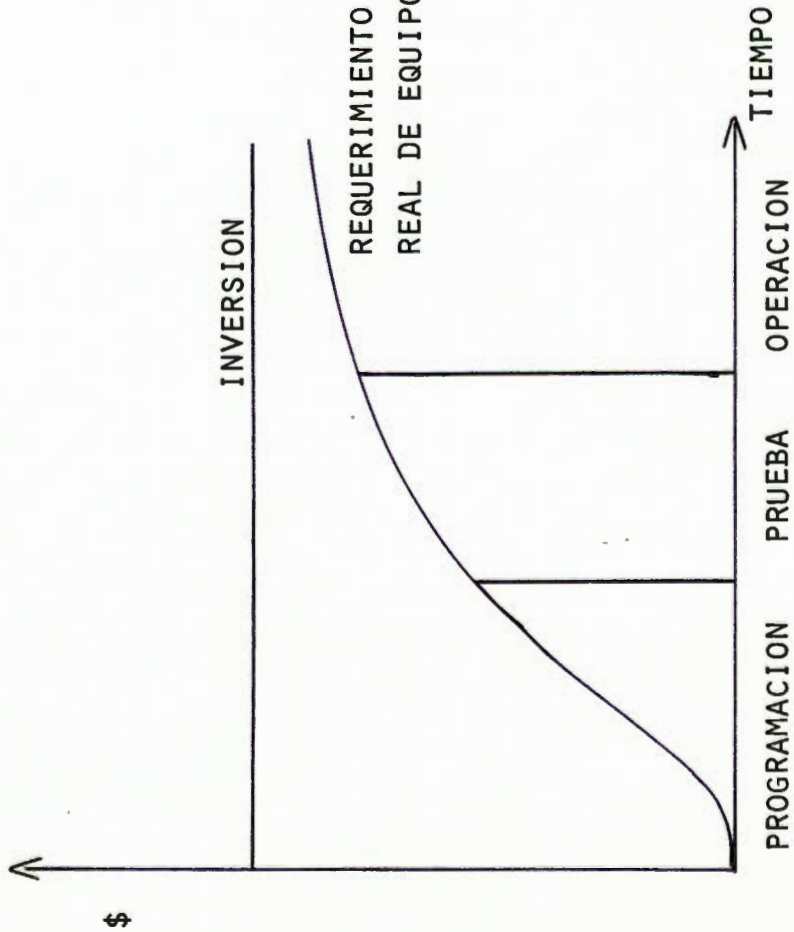
PROYECTO AUTOMATIZACION
1980 - 1984

- 1981 - CATALOGACIÓN
- 1982 - CIRCULACIÓN (RESERVA)
- 1983 - ADQUISICIONES
- 1983 - CATÁLOGO COLECTIVO DE PUBLICACIONES
PERIÓDICAS
- 1984 - CATÁLOGO EN LÍNEA
- 1984 - RED DE CIRCULACIÓN

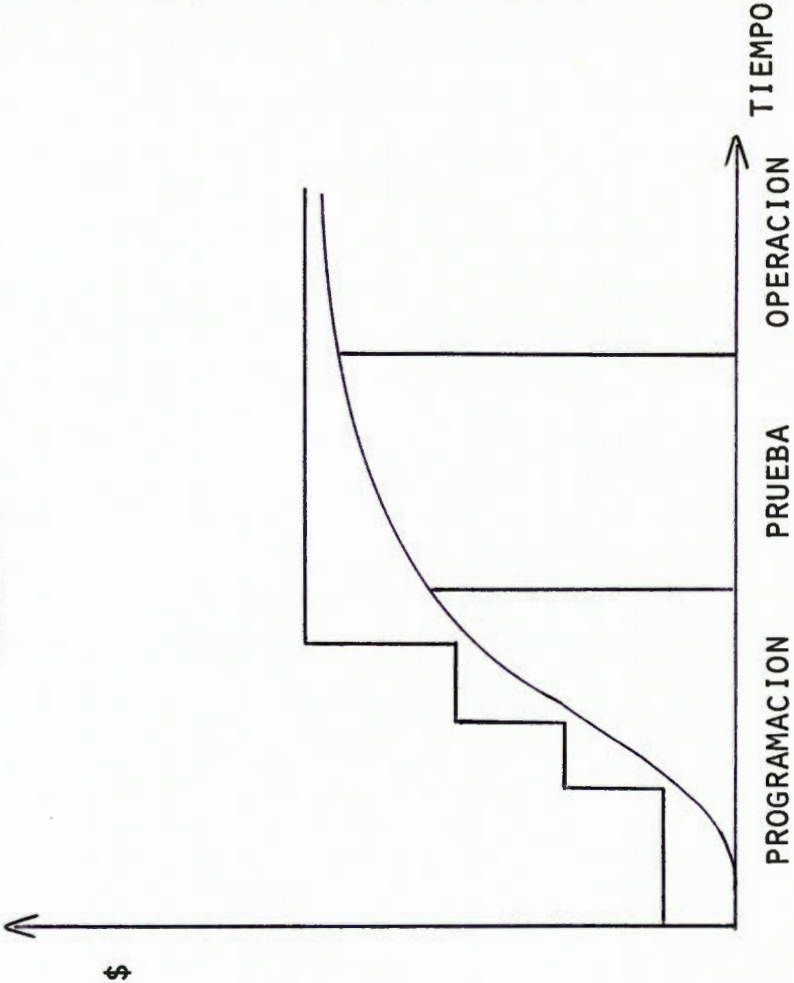
PROYECTOS EN CURSO

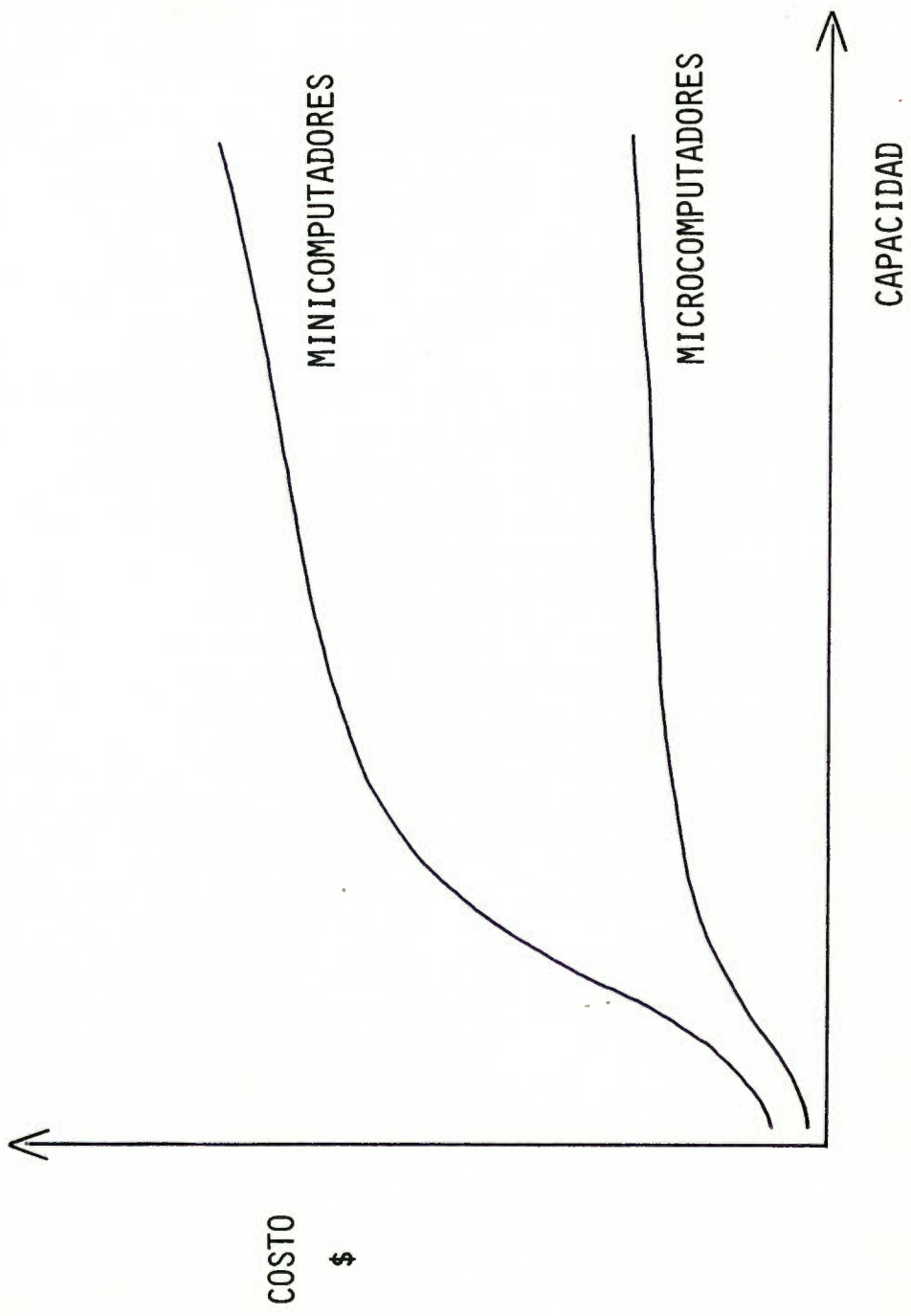
- DESARROLLO DE COLECCIONES
- ENTRENAMIENTO DE USUARIOS
- AUTOMATIZACIÓN

MINIS



MICROS



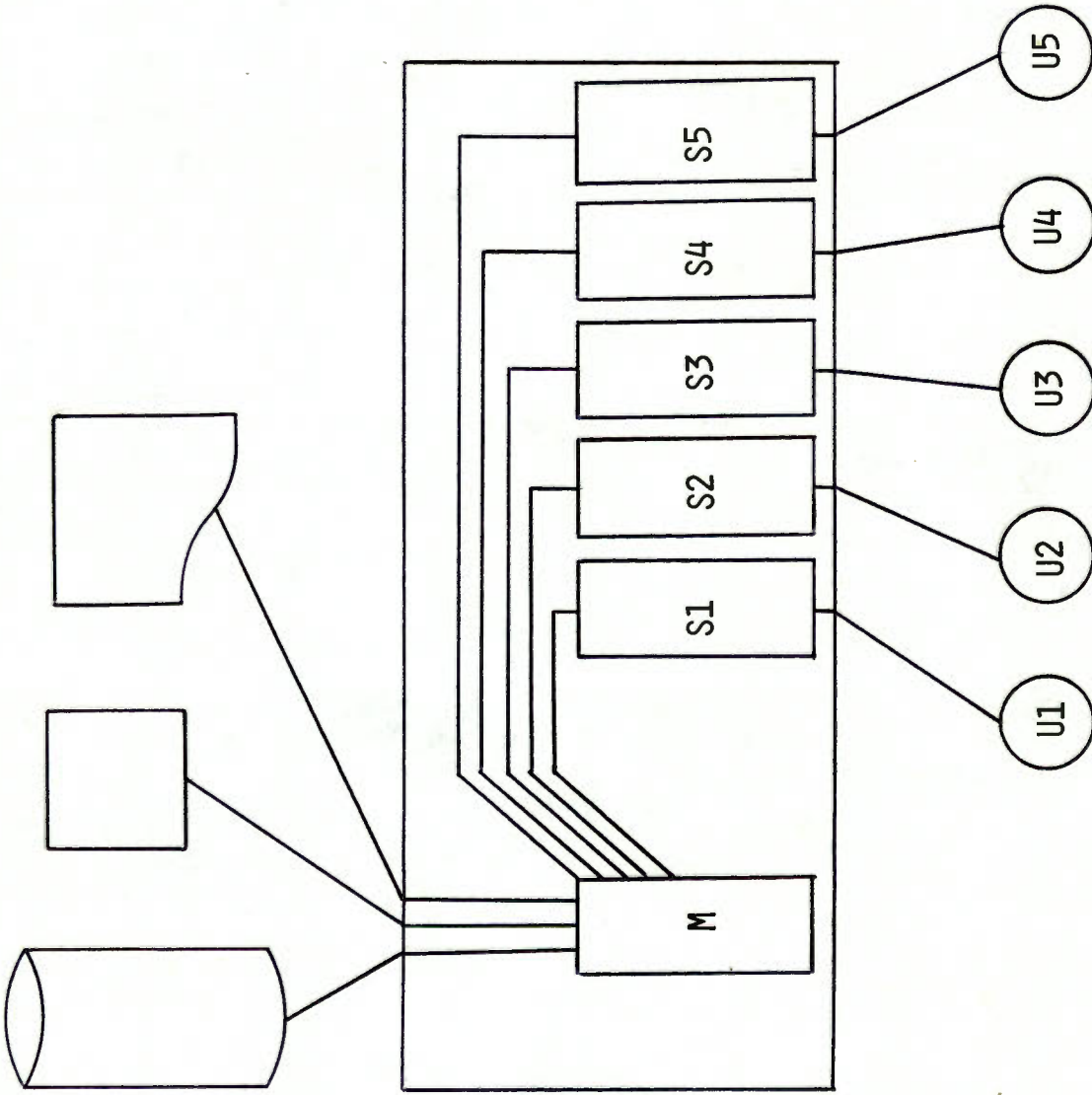


COSTO
\$

CAPACIDAD

MINICOMPUTADORES

MICROCOMPUTADORES



MULTIPLES CPUS

S O F T W A R E

- PORTABILIDAD
- MODULARIDAD
 - FUNCIONAL
 - ESTRUCTURAL
- INGENIERIA HUMANA

H A R D W A R E

- COSTOS
- BUS S-100
- CAPACIDAD DE ALMACENAMIENTO (96 MB)
- MULTI - PROCESADORES

CITA BIBLIOGRÁFICA - PAGINACIÓN

560 P. PP. 200-208

3 V. V.2, 253 P.

P. IRR. S.P.

CITA BIBLIOGRÁFICA - LUGAR DE PUBLICACIÓN

SANTIAGO, CHILE
SANTIAGO, CUBA

AMES, IOWA
LOS ANGELES, CALIFORNIA

NEW YORK, MCGRAW-HILL

Y NO

NEW YORK, LONDON, MCGRAW-HILL

S. L. (SI NO APARECE)

CITA BIBLIOGRÁFICA - REVISTA

ANDRADE, J. MARCO CONCEPTUAL DE LA EDUCACIÓN MÉDICA EN
LA AMÉRICA LATINA. EDUCACIÓN MÉDICA Y SALUD 12(2):
149-166. 1978.

SUPPLEMENTING THE NUTRITION OF BRAMLEY'S SEEDLING APPLE WITH PHOSPHORUS SPRAYS II. EFFECTS ON FRUIT COMPOSITION AND STORAGE QUALITY

By N. YOGARATNAM and R. O. SHARPLES

East Mailing Research Station, Maidstone, Kent ME19 6BJ, UK

SUMMARY

FOUR SPRAYS OF 1% KH_2PO_4 APPLIED BETWEEN MID-JUNE AND MID-JULY IN EACH OF THREE YEARS CONSISTENTLY INCREASED THE P CONCENTRATION IN CV BRAMLEY'S SEEDLING APPLES AT HARVEST AND REDUCED THE INCIDENCE OF SENESCENT BREAKDOWN IN THE FRUIT AFTER STORAGE IN AIR AT 1.5°C FOR 32 WEEKS. SIMILAR REDUCTIONS IN LOW TEMPERATURE BREAKDOWN WERE RECORDED IN TWO OF THE THREE YEARS IN AIR STORAGE AND IN THE THIRD YEAR IN FRUIT STORED IN 8% CO_2 AT 3.5°C FOR 45 WEEKS. PHOSPHORUS SPRAYS ALSO REDUCED THE INCIDENCE OF SUPERFICIAL SCALD AND CORE FLUSH IN CERTAIN YEARS. ALTHOUGH SPRAYS APPLIED BETWEEN MID-JULY AND MID-SEPTEMBER ALSO INCREASED FRUIT P CONTENT THE REDUCTION IN BREAKDOWN WAS NEGLIGIBLE. IN ONE TRIAL KH_2PO_4 SPRAYS ALSO INCREASED THE K CONCENTRATION IN THE FRUIT AND THIS WAS ASSOCIATED WITH THE DEVELOPMENT OF BITTER PIT IN THE STORED FRUIT. $\text{Ca}(\text{H}_2\text{PO}_4)$ APPLIED AT AN EQUIVALENT RATE OF P ALSO INCREASED FRUIT P CONCENTRATIONS AND REDUCED THE LEVEL OF BREAKDOWN IN STORE. THE TENDENCY OF P SPRAYS TO INCREASE THE INCIDENCE OF BITTER PIT WAS REVERSED BY FOUR 0.8% CaCl_2 SPRAYS APPLIED BETWEEN MID-JULY AND MID-SEPTEMBER.

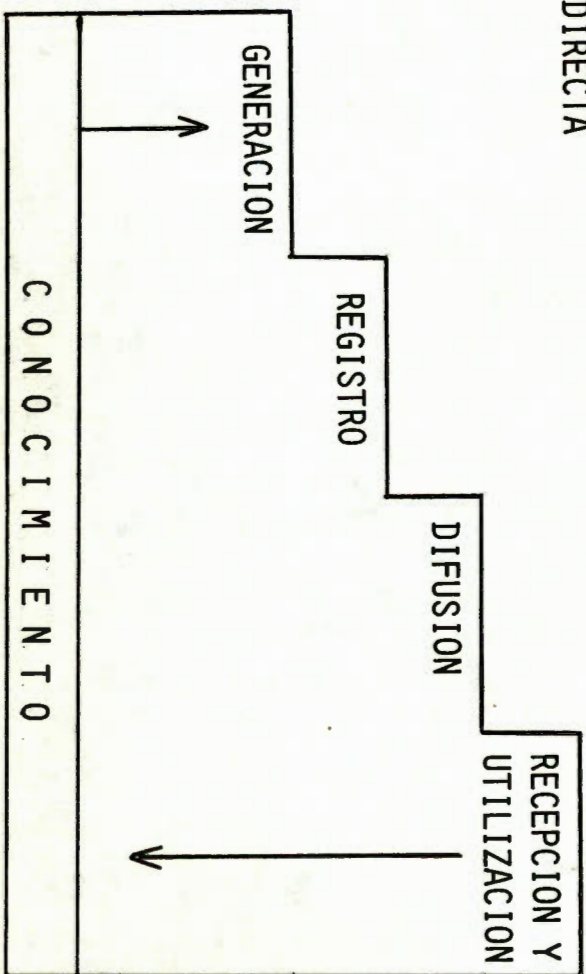
HORTICULTURAL ABSTRACTS MAYO 1982

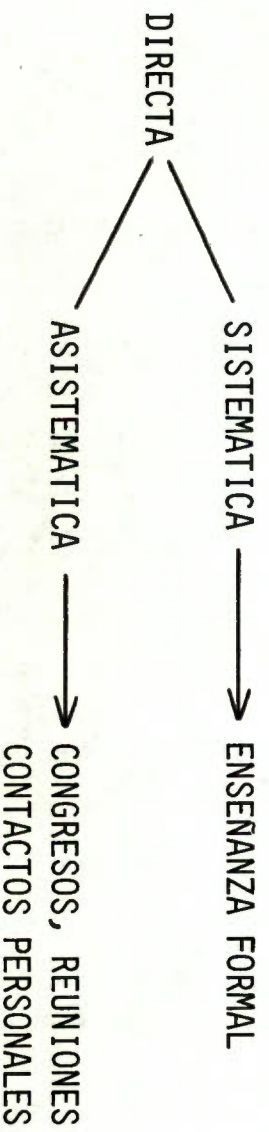
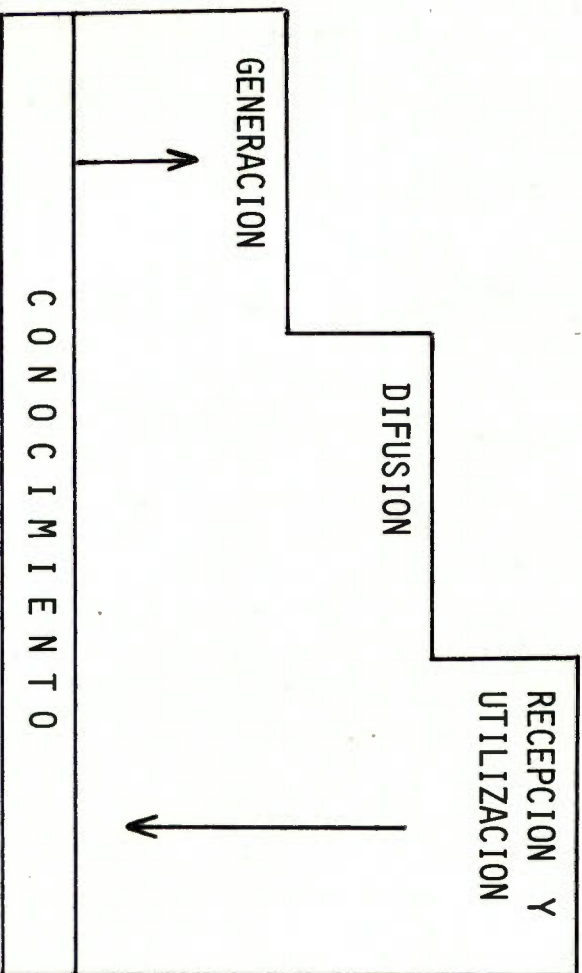
2708 YOGARATNAM, N.; SHARPLES, R. O.

SUPPLEMENTING THE NUTRITION OF BRAMLEY'S SEEDLING APPLE WITH PHOSPHORUS SPRAYS. II. EFFECTS ON FRUIT COMPOSITION AND STORAGE QUALITY. *JOURNAL OF HORTICULTURAL SCIENCE* (1982) 57 (1) 53-59 [EN, 18 REF.] EAST MAILING RESEARCH STATION, MAIDSTONE, ME19 6BJ, UK.

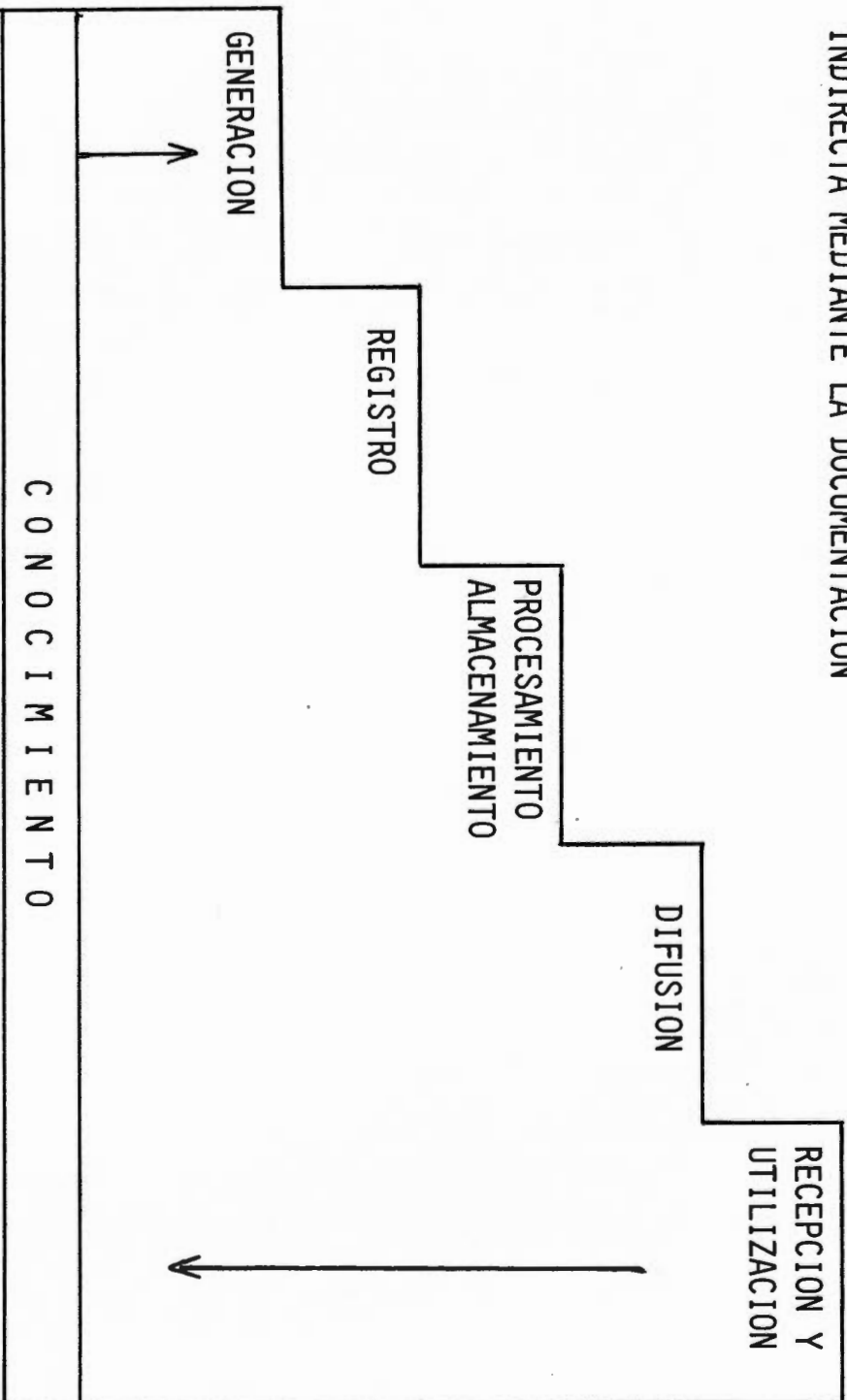
FOUR SPRAYS OF 1% KH_2PO_4 APPLIED BETWEEN MID-JUNE AND MID-JULY IN EACH OF THREE YEARS CONSISTENTLY INCREASED THE P CONCENTRATION IN CV. BRAMLEY'S SEEDLING APPLES AT HARVEST AND REDUCED THE INCIDENT OF SENESCENT BREAKDOWN IN THE FRUIT AFTER STORAGE IN AIR AT 1.5°C FOR 32 WEEKS. SIMILAR REDUCTIONS IN LOW TEMPERATURE BREAKDOWN WERE RECORDED IN 2 OF THE 3 YEARS IN AIR STORAGE AND IN THE THIRD YEAR IN FRUIT STORED IN 8% CO_2 AT 3.5° FOR 45 WEEKS. P SPRAYS ALSO REDUCED THE INCIDENCE OF SUPERFICIAL SCALD AND CORE FLUSH IN CERTAIN YEARS. ALTHOUGH SPRAY APPLIED BETWEEN MID-JULY AND MID-SEPTEMBER ALSO INCREASED FRUIT P CONTENT THE REDUCTION IN

INDIRECTA





INDIRECTA MEDIANTE LA DOCUMENTACION



➔ PRODUCTORES DE INFORMACION

(MIEMBROS COMUNIDAD CIENTÍFICA Y TÉCNICA)

FUENTES DE INFORMACION GENERADAS

FUENTES INFORMALES

INTERCAMBIO CARTAS

DISERTACIONES

SEMINARIOS

CONFERENCIAS, ETC.

FUENTES FORMALES

PUBLICADAS

LIBROS

REVISTAS

INEDITAS

INFORMES

TÉSIS

TRABAJOS NO PRESENTADOS
POR EDITORES, ETC.

SERVICIOS DE RESUMENES
ANALITICOS E INDIZACION

BIBLIOTECAS

CENTROS INFOR-
MACION CENTRALES
DISTRIBUCION

PERIÓDICOS IMPRESOS PREPARADOS
Y DISTRIBUIDOS POR ASOCIACIONES
CIENTÍFICAS O FIRMAS COMERCIALES
EJ.: HORTICULTURAL ABSTRACTS.

CATÁLOGOS ELABORADOS
PARA FACILITAR ACCESO
A SUS COLECCIONES
SERVICIOS
BIBLIOGRAFIAS
DISEMINACIÓN

DISEMINACIÓN
BIBLIOGRAFIAS
TRADUCCIONES
REVISIONES
RESÚMENES
PROCESAMIENTO
Y DISEMINACIÓN
DE LA LITERATU-
RA NO PUBLICADA

USUARIOS

FUENTES
PRIMARIAS

PUBLIC. PERIODICAS
LIBROS
TESIS

PRODUCCION
SELECCION
DISTRIBUCION

FUENTES
SECUNDARIAS



SERVICIOS DE ABSTRACTS E INDICES
BIBLIOTECAS
CENTROS DE DOCUMENTACION



ANALISIS
ALMACENAMIENTO
DISEMINACION

5203 COUOT-GASTELIER, J. [VASCULAR CONNECTIONS AND INHIBITION OF THE AXILLARY BUDS IN BROAD BEAN (VICIA FABA).] CONNEXIONS VASCULAIRES ET INHIBITION DES BOURGEONS AXILLAIRES CHEZ LA FEVE (VICIA FABA L.). BULLETIN DE LA SOCIÉTÉ BOTANIQUE DE FRANCE (1979) 126 (1) 67-77 [FR, EN, 19 REF., 2 PL., 1 FIG.] UNIVERSITÉ PIERRE ET MARIE CURIE, 75230 PARIS CEDEX 05, PARIS, FRANCE.

ANATOMICAL AND MORPHOLOGICAL DEVELOPMENT OF THE CONDUCTIVE TISSUES WAS STUDIED IN NODES AND AXILLARY BUDS SUBTENDED BY THE COTYLEDONS AND THE FIRST TRUE LEAVES OF BROAD BEANS, CV. AQUADULCE. DURING GROWTH THE VASCULAR BUNDLES ESTABLISHED CONTINUITY BETWEEN THE STRANDS OF THE STEM STELE AND THOSE OF THE AXILLARY BUDS, CONNECTION BEING MADE BETWEEN A BUD AND THE LEAF ABOVE IT BUT NOT THE SUBTENDING LEAF. INHIBITION OF AXILLARY BUD GROWTH WAS NOT SHOWN TO BE DUE TO POOR VASCULAR DEVELOPMENT BETWEEN THESE BUDS AND THE MAIN AXIS.

S O F T W A R E

- PORTABILIDAD
- MODULARIDAD
- INGENIERÍA HUMANA

H A R D W A R E

MICROCOMPUTADORES

- COSTOS
- COMPATIBILIDAD
- CAPACIDAD DE ALMACENAMIENTO (96 MB)
- MULTI-PROCESADORES

ENTRENAMIENTO DE USUARIOS

1. ALUMNOS DE 1ER. AÑO: DIAPORAMAS
CURSOS
2. ALUMNOS MEMORISTAS
3. PERSONAL ACADÉMICO

SISTEMA DE BIBLIOTECAS

PERSONAL

- BIBLIOTECARIOS	52
- AYUDANTES	53
- SECRETARIAS	6
- OTRAS PROFESIONES	5
- AUXILIARES	19
TOTAL	135

PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE

CAMPUS: - CASA CENTRAL
 - ORIENTE
 - SAN JOAQUÍN
 - EL COMENDADOR

MATRICULAS: 10.800

ACADEMICOS: 1.989

DESARROLLO DE COLECCIONES

OBJETIVO: OFRECER A LOS USUARIOS UNA COLECCIÓN DE MATERIAL BIBLIOGRÁFICO QUE SATISFAGA SUS NECESIDADES TANTO CUALITATIVA COMO CUANTITATIVAMENTE.

ETAPAS:

1. BIBLIOGRAFÍAS MÍNIMAS O MATERIAL DE RESERVA.
2. BIBLIOGRAFÍAS COMPLEMENTARIAS.
3. APOYO BIBLIOGRÁFICO A LA INVESTIGACIÓN CIENTÍFICA.
4. APOYO BIBLIOGRÁFICO A LA EXTENSIÓN Y CREACIÓN ARTÍSTICA.

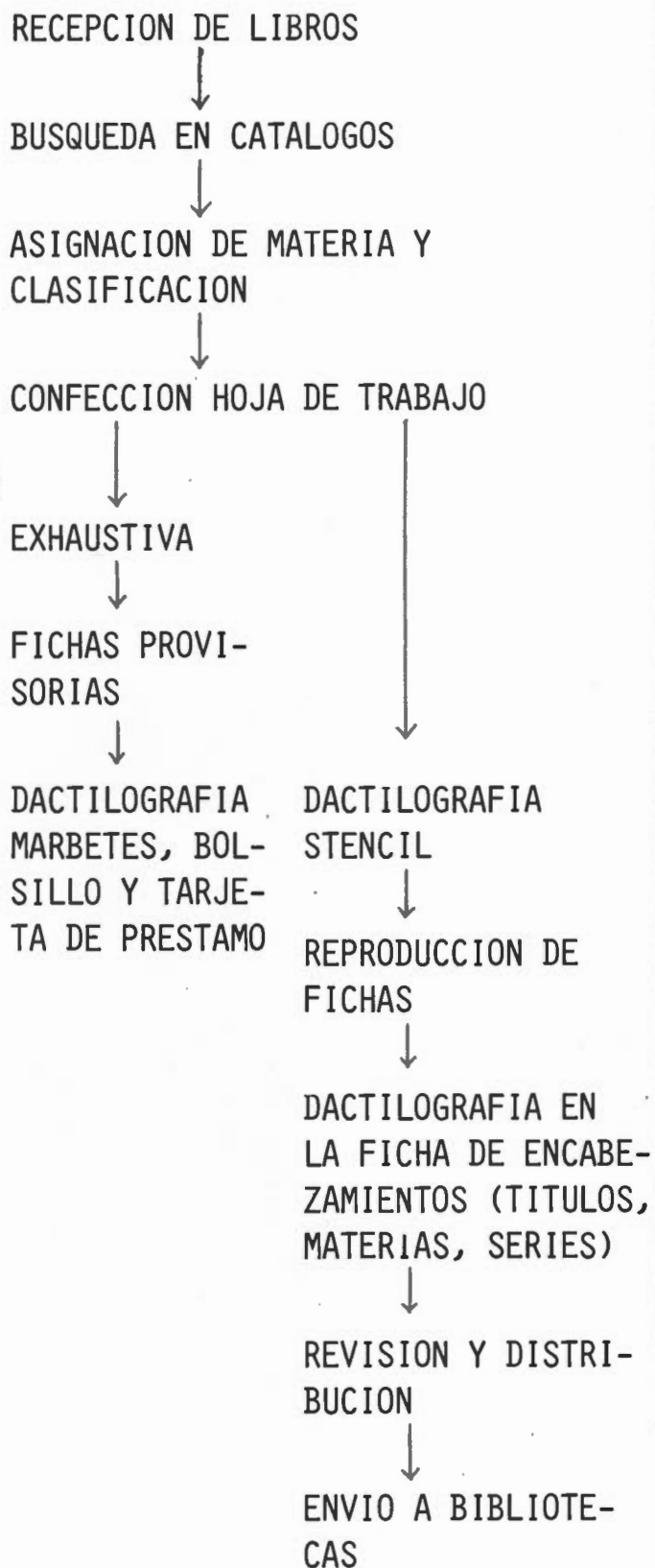
HARDWARE:

- MICROCOMPUTADORES
- SELECCION DE EQUIPO - BUS S-100
- MULTI - USUARIOS
- MULTIPROCESADORES
- GATEWAY (RED DE REDES)
- DISCOS DUROS - RESPALDO

SOFTWARE:

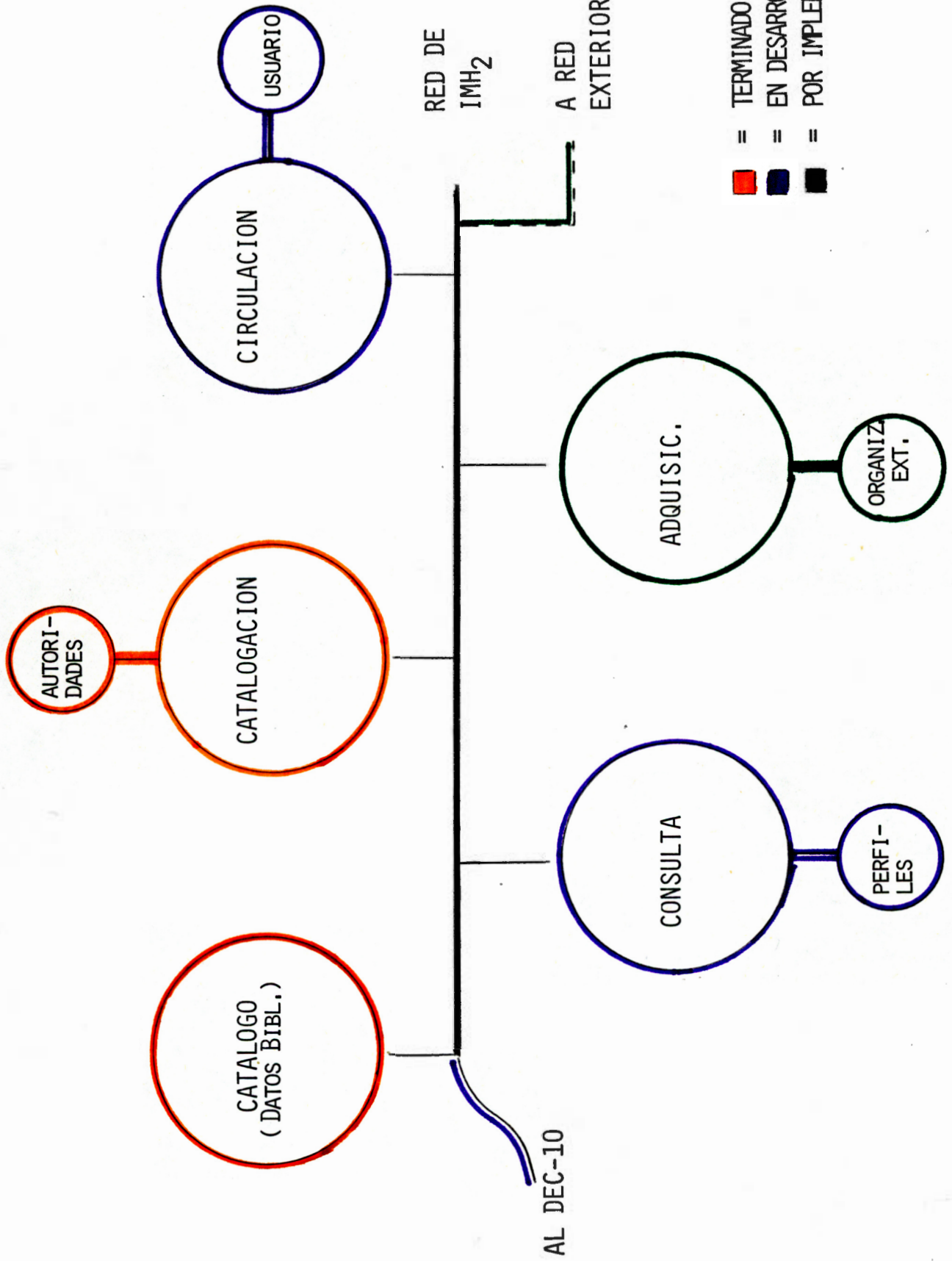
- MODULARIDAD
- PORTABILIDAD (SOFTWARE TOOLS)
- LENGUAJE DE ALTO NIVEL (PASCAL EXTENDIDO)
- SISTEMA DE ADMINISTRACION DE BASES DE DATOS
- SISTEMA OPERATIVO DISTRIBUIDO
- LA RED: BASE DE DATOS DISTRIBUIDA
- EL CONCEPTO DE LA INTERFASE AL USUARIO COMO EJE DEL DISEÑO (INGENIERIA HUMANA)
- RECUPERACION
- CONCEPTOS ORIGINALES DE ALMACENAMIENTO Y RECUPERACION DE INFORMACION (FAST TREES) Y PROCESOS ASINCRONOS COOPERATIVOS

M A N U A L

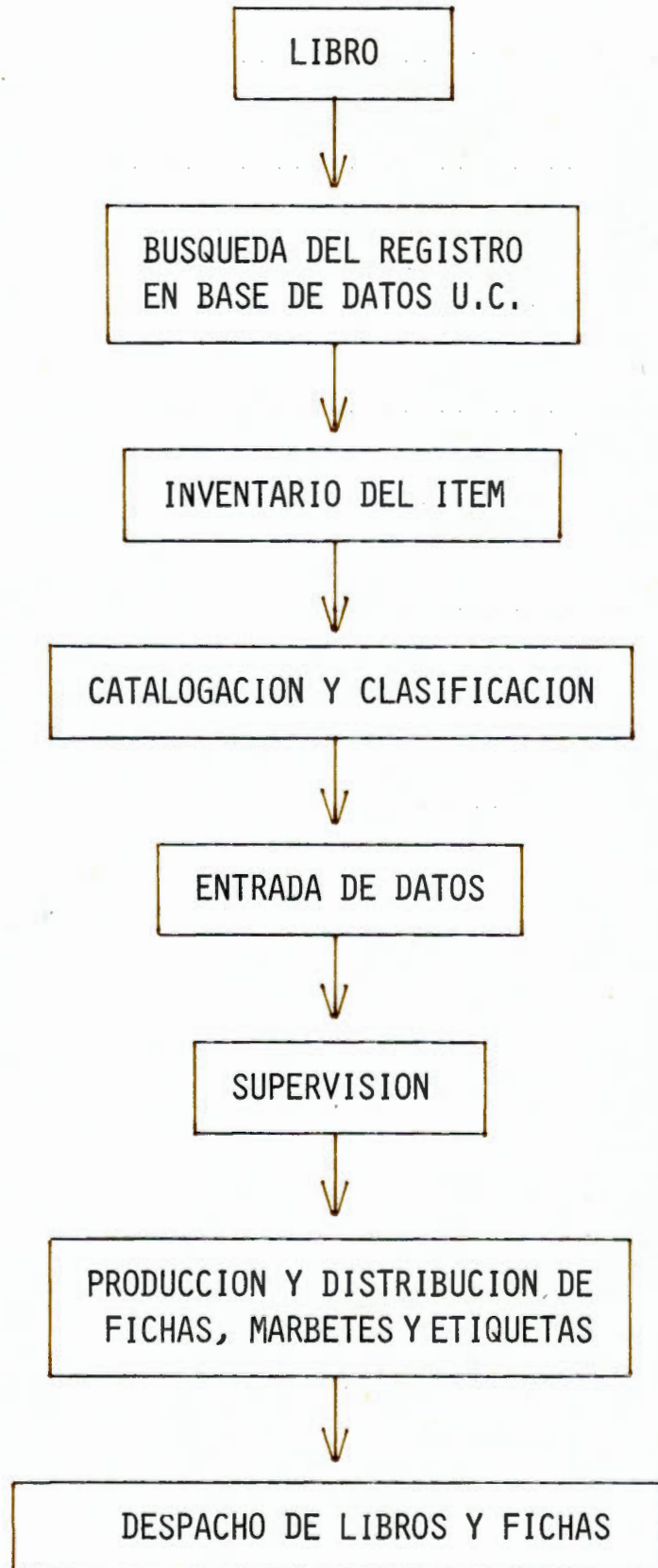


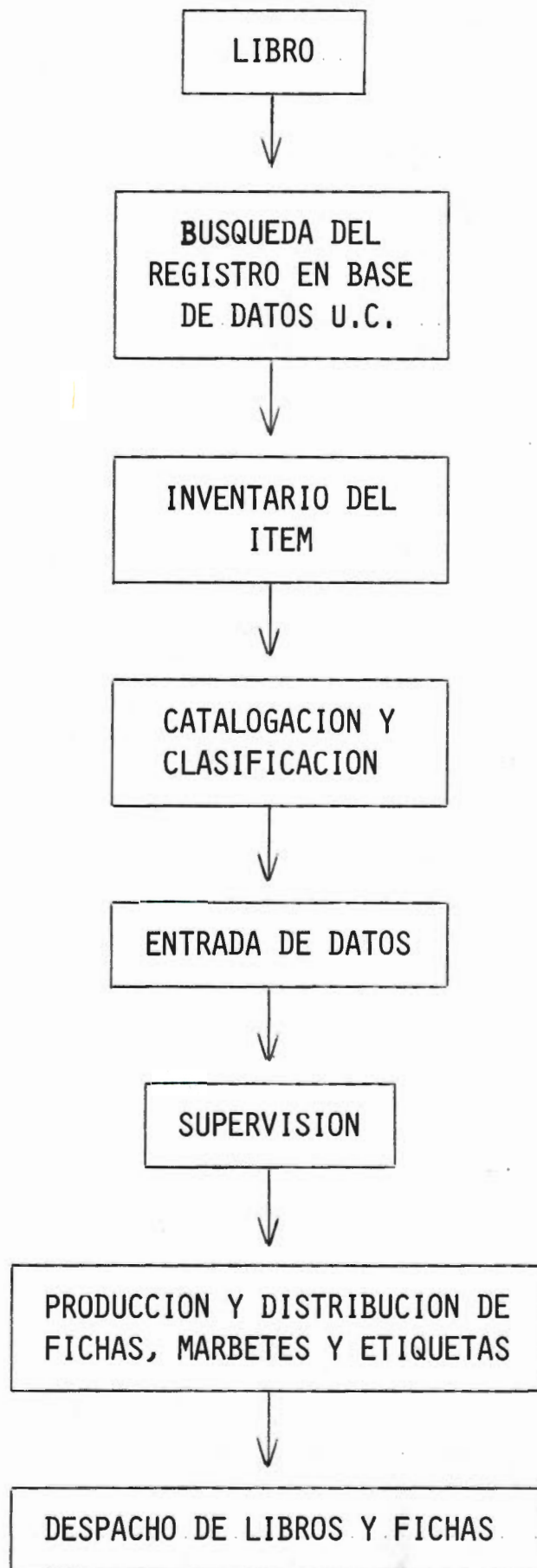
A U T O M A T I Z A D A





DEMOSTRACION





C A T A L O G A C I O N

- CLASIFICACION
- DESCRIPCION BIBLIOGRAFICA
- ANALISIS DE MATERIAS
- PRODUCCION Y DUPLICACION DE FICHAS

BUSQUEDA EN TERMINAL

- AUTOR
- TITULO
- AUTOR - TITULO
- CLASIFICACION
- N° MARC

C A T A L O G A C I O N

CATALOGACION ORIGINAL

RECONVERSION

R E G I S T R O M A R C

- LIDER, GUIA O CABECERA
- DIRECTORIO
- CAMPOS FIJOS
- CAMPOS VARIABLES

M A R C

- MACHINE READABLE CATALOGUING
- MACHINE READABLE BIBLIOGRAPHIC DESCRIPTION

F O R M A T O : METODO DE ORGANIZAR DATOS PARA QUE
UN REGISTRO O PARTE DE EL PUEDAN SER
IDENTIFICABLES.

- DATOS
- CAMPOS
- REGISTRO