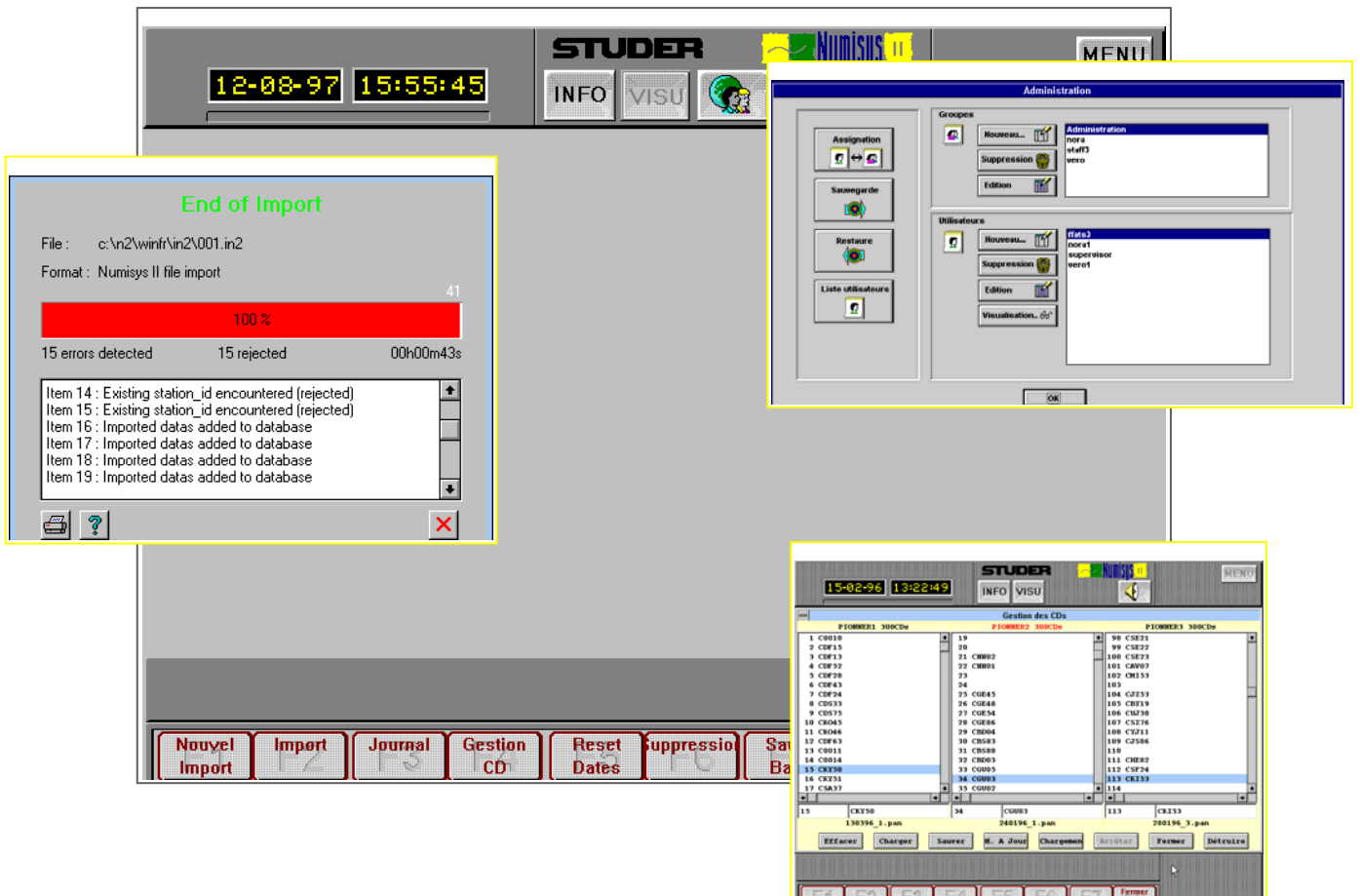


# ADMINISTRATION SOFTWARE

## ACCESS RIGHTS



The screenshot displays the STUDER administration software interface. At the top, the date and time are shown as 12-08-97 15:55:45. The interface includes several modules:

- End of Import:** A dialog box showing the completion of an import process. It reports 15 errors detected and 15 rejected items. The progress bar is at 100%. The rejected items are:
  - Item 14: Existing station\_id encountered (rejected)
  - Item 15: Existing station\_id encountered (rejected)
  - Item 16: Imported datas added to database
  - Item 17: Imported datas added to database
  - Item 18: Imported datas added to database
  - Item 19: Imported datas added to database
- Administration:** A window for managing groups and users. It shows a list of groups (Administration, staff3, vero) and users (ifera3, norat, supervisor, heret).
- Gestion des CD's:** A window displaying a table of CD data. The table is organized into three columns, each representing a different CD type (P100001, P100002, P100003). The table contains 17 rows of data, including CD numbers and associated codes.

At the bottom of the main interface, there are several buttons: Nouvel Import, Import, Journal, Gestion CD, Reset Dates, Suppression, and Sauvegarde.

## OVERVIEW

---

NUMISYS is a **multi-user system running 24 hours a day**. By consequence a powerful administration is absolutely necessary.

The software proposed is of great help for:

- Database Maintenance & Backup
- Administration of users and access rights
- Supervision of Audio CD Library

## FUNCTIONS OF THE SYSTEM

---

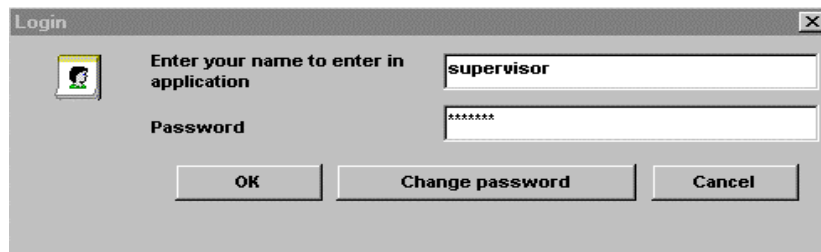
The functions provided are :

- **Database Maintenance & Backup**
  - On Line backup of database
  - Import of audio titles
  - Assisted purge of audio titles
- **Administration of users and access rights**
  - Definition of groups with limited access to audio and playlists
  - Definition of users & passwords
- **Supervision of Audio CD Library**
  - Management of CDs in Jukeboxes
  - Synchro of Audio Database with actual Juke-box status

## ACCESS RIGHTS MANAGEMENT

### Users, Password and Login

The system includes a login process to enter any NUMISYS application.



The administration software allows to define:

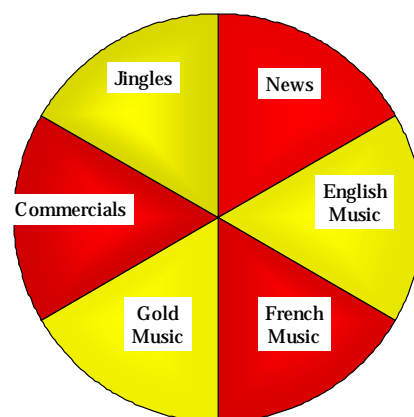
- Users
- passwords
- Access rights to audio and playlists according to groups allowed



Utilisateurs	Mots de passe	Date de modification
Francois2	Francois2	23 - 12 - 1996
Jacques1	Jacques1	23 - 12 - 1996
Paul2	Paul2	23 - 12 - 1996
Pierre1	pierre1	23 - 12 - 1996
supervisor	digtec	18 - 12 - 1996
Titi	Titi	7 - 1 - 1997

### Audio Groups

Groups are defined to classify audio title and playlists of the library and to manage access rights of users:



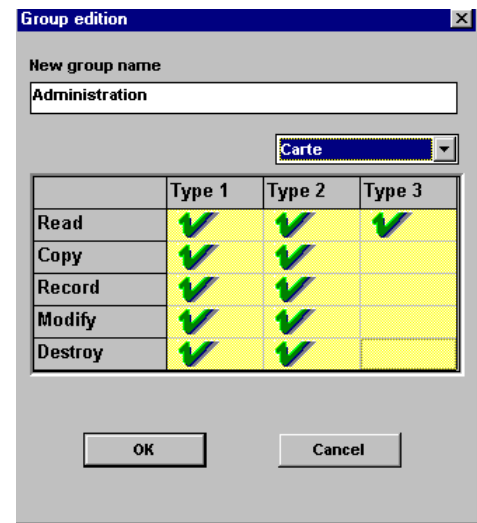
## Definition of Groups

A group is defined by **access rights**:

- Creation
- Modifications
- Deletion
- View

given to:

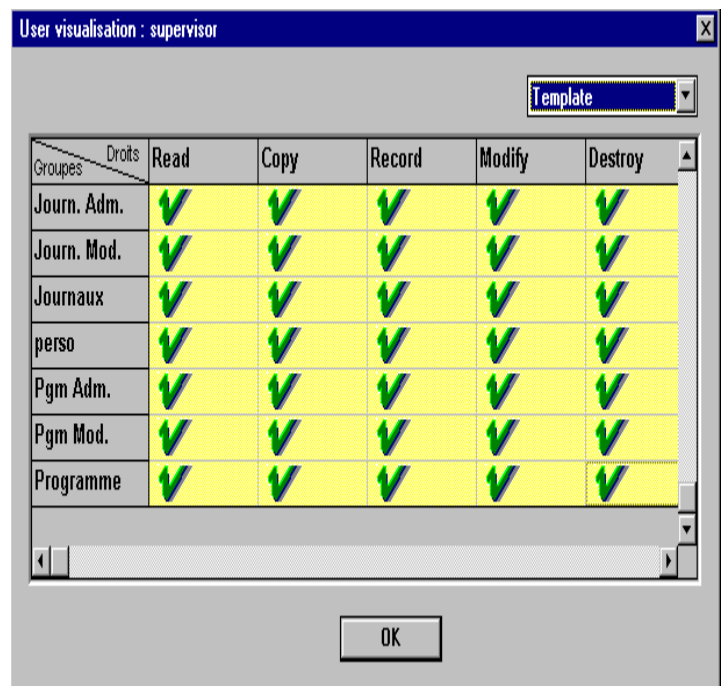
- The members of the group
- The other users



**Each user may be affected to one or several groups** to be able to work with one or several types of audio titles or playlists.

A typical applications could be:

- News Editor :
  - Member of **News Group** with
  - Read, Record, Modify
- News Chief Editor :
  - Member of **News AND Administration Group** with
  - Read, Record, Modify , Delete
  -
- Music Producer :
  - Member of **Music Group** with
  - Read, Record, Modify



## DATABASE MAINTENANCE AND BACKUP

### On Line Backup

As all the knowledge of the system is located in the central database, the administration software includes an **on line backup** feature that can be run **while the workstations are connected**.

### Assisted Purge of Audio Titles

NUMISYS Database allows to define a date when the audio title is no more necessary in the system.

The administrator may run may use the purge feature to find all the titles no more valid and to delete them.

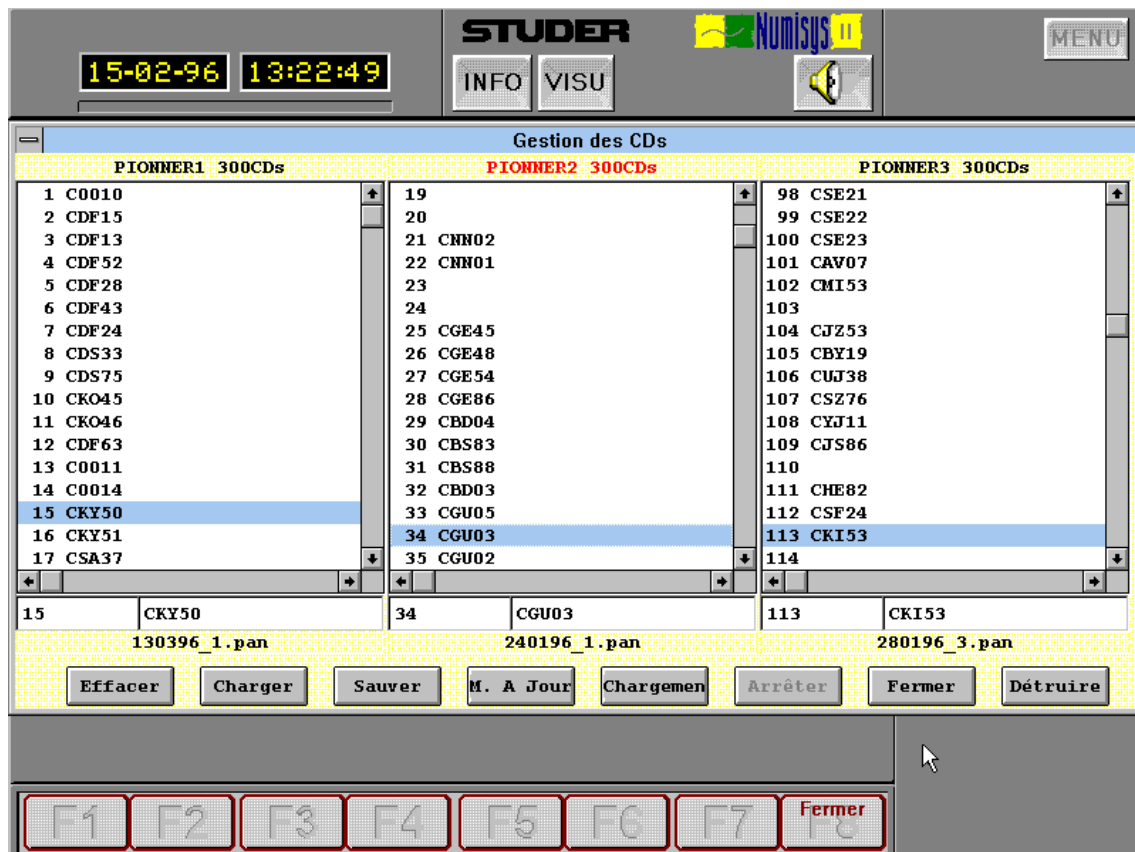
SUPPRESSION ASSISTEE						
Validité	Vol.	Track	No Unique	Artiste	Titre	
30/05/95	H0001	107	#107	20:46:03	Boucle 004	
30/05/95	H0001	116	#116	09:10:19	EDIT No 116	
31/05/95	H0001	164	#164	23:03:51	EDIT No 164	
31/05/95	H0001	169	#169	22:08:41	EDIT No 169	
30/05/95	H0001	225	225	REGIE	ANNONCE ECRAN PUB	

Tout    Deselect    Efface...    Fermer

# AUDIO CDs MANAGEMENT

## Audio CDs Location

This feature allows to locate CDs in physical juke-boxes:



The software allows to:

- Display which CDs are in the Jukeboxes
- Insert new CDs
- Store the new setup for future use
- Restore a previous setup
- Synchronize Radio Automation Database with the actual setup

This mechanism is perfectly adapted to Rack management provided by PIONEER CAC-V5000

## TECHNICAL SPECIFICATIONS

---

### Minimum configuration required

- PC Pentium 133Mhz 16 MB RAM
- 500 MB HD required for software & database
- WINDOWS 95

### Audio Monitoring

PCX20, PCX9 PB, PCX9 PB/REC