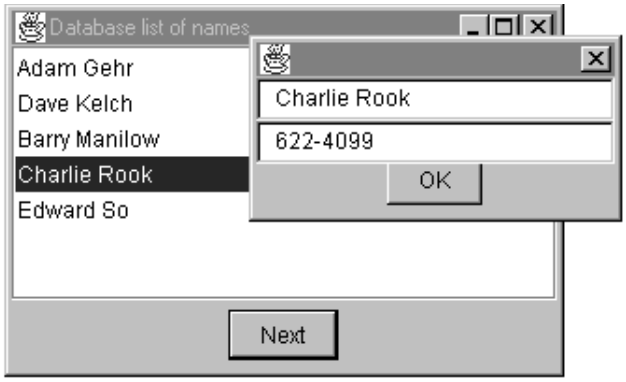

Figure 31.5 A pop-up list showing details appears when a name is double-clicked.

When you double-click on a JList, you must add a mouse listener to the JList object in order to pop up a window. In our code, we create a class called ListMouseListener, which carries out the listening and produces the pop-up. First we add the ListMouseListener by

```
nList.addMouseListener(new ListMouseListener(nList, ldata, db, this));
```

where db represents our database and ldata the list data model. Following is the complete mouseListener class:

```
public class ListMouseListener extends MouseAdapter {
    private JList              nList;
    private DataBase           db;
    private SortedModel        lData;
    private JFrame             jxf;

    public ListMouseListener(JList list, SortedModel ldata,
                             DataBase dbase, JFrame jf) {
        nList = list;
        db    = dbase;
        jxf   = jf;
        lData = ldata;
    }
    //
    public void mouseClicked(MouseEvent e) {
        if (e.getClickCount () == 2) {
        //a mouse double-click
        //gets the database key for this person
            int index = nList.locationToIndex (e.getPoint());
            int key   = lData.getKey (index);
        //display pop up dialog box
            Details details = new Details(jxf,
                db.getName (key), db.getPhone (key));
```