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Appendix A

Appendix B

At long last the GoldMine Graphical User Interface (GUI) has received a facelift. In theory, FrontRange hired an outside resource to help design a new user friendly GUI for GoldMine, and the developers at FrontRange implemented those changes into GoldMine Premium. Were they successful? Well time will certainly tell. In my opinion, old time GoldMine users will certainly have a hard time making the change, and the learning curve will be as steep for them, on a different hill, as it is for a new user seeing GoldMine for the first time.

Is the new interface good? Personally, I think so. Many people are liking it very much. It is a more up to date interface that fits in with the current software releases that are going on today.

At this writing, GoldMine Premium has been out for over a year now. GoldMine Premium has had three public build releases, and the fourth is currently in Beta the testing cycle. FrontRange has discontinued all GoldMine 6.x and prior products, and has told us that we can't sell any New GoldMine 7 licenses. Reading the writing on the wall, that should mean that GoldMine 7 will be discontinued soon as well. This will leave FrontRange with two products in its GoldMine arsenal, GoldMine Premium Edition and GoldMine Enterprise Edition. This then, to me, translates to one real product, GoldMine Premium Edition, for most of the users in need of a CRM solution in today's market.

FrontRange has released GoldMine Premium with the the **Microsoft SQL Server 2005®**, and the **Firebird®** backends. In fact, Firebird is the default install backend, especially for remotes. Having stated that, let me further state that I have never done a live Firebird installation on a network or on a remote, nor do I ever intend to do so.

From the <http://Firebird.SourceForge.net> website:



About Firebird

Firebird is a relational database offering many ANSI SQL-99 features that runs on Linux, Windows, and a variety of Unix platforms. Firebird offers excellent concurrency, high performance, and powerful language support for stored procedures and triggers. It has been used in production systems, under a variety of

names since 1981.

Firebird is a commercially independent project of C and C++ programmers, technical advisors and supporters developing and enhancing a multi-platform relational database management system based on the source code released by Inprise Corp (now known as Borland Software Corp) on 25 July, 2000 under the InterBase Public License v.1.0.SQL users to FireBird.



From the <http://www.Microsoft.com/SQL/Editions/Workgroup/default.mspx> website:

NOTE

Again, I would like to emphasize that my organization will only install GoldMine Premium on the Microsoft SQL Server backend.

Ideal Entry-Level Database for Reliable, Robust, and Easy-to-Manage Performance

Workgroup Edition is the data management solution for small organizations that need a database with no limits on size or number of users. Workgroup Edition can serve as a front-end Web server or for departmental or branch office operations. It includes the core database features of the SQL Server product line, and is easy to upgrade to Standard or Enterprise Edition.

This new GUI does not change GoldMine's mission statement. GoldMine's mission is to help its users create customers for life. The mission of this book is to assure that you are equipped with adequate knowledge to satisfactorily accomplish your particular GoldMine mission.

I understand that there is only about a 20% saturation into the **Customer Relations Management (CRM)** market, and that this is one of the fastest growing verticals in the software industry. I also note that only about 30% of the CRM installations are successful, while the other 70% are little more than an electronic rolodex, if they are anything at all.

TIP

Do not attempt to solve the whole puzzle in one sitting. Take little pieces and solve those and eventually the whole picture will come into focus.

It is my belief that it is imperative that the CRM Administrator have a thorough understanding of the product prior to implementing any solution employing a product into actual production. Many organizations do not possess the prerequisite of knowledge for GoldMine, and have still had successful implementations with GoldMine. Yet they are few, and far between. They have relied on the expertise of a GoldMine **Value Added Reseller (VAR)**, known to FrontRange as a GoldMine **Partner**, to perform a "**Needs Analysis**", and had an implementation made based on that same analysis. I endeavor to impart some of this same knowledge of GoldMine Premium to you through this book, however, for your first implementation I would always recommend that you bring in a GoldMine Partner.

Throughout the remainder of this chapter I will give you a brief synopsis of what each chapter of this book covers.

Chapter 2

■ Users' and User Groups

- Users' Settings
- User Groups
- Resources
- License Manager

In the **Users' Settings** section, I walk you through the dialog forms used when adding a new **UserID** to GoldMine, explaining, in as much detail as I have available to impart, on each option within each of the dialog forms. I do not attempt to tell you what you should or should not set for your users. I only provide you with an explanation of what setting a given option may or may not do. Absorbing this information, should allow you to make a more informed decision when adapting GoldMine to your organizational needs. Occasionally, throughout this book, I may make a recommendation, but you should find that a rare occurrence.

I then continue to walk the reader through the creation of **User Groups** within GoldMine, going over each dialog form. Again, I explain the options and consequences of making a specific choice.

Next, I lightly touch on **Resources** within the GoldMine environment. There is little that can be said about resources within GoldMine, although GoldMine is getting better with handling conflicts with resources. I tend to believe that the reader should consider using resources today, where as, in previous books, I had suggested that one avoid the GoldMine resources, and opt to use UserID's as resources.

Lastly, in Chapter 2, I cover the **License Manager**, and all of its dialog forms. I discuss the various license types and what the different designators mean. I even cover the newest license types of **J**, **N**, and **R**.

Chapter 3

■ User Options

- Personal Record
- Calendar
- Schedule
- Alarms
- Lookup
- E-Mail
- Telephony
- Pager
- System
- Speller
- Login
- GUIless INI Statements
- GM.ini

NOTE

*That's right, **Options**. With the release of GoldMine Premium, GoldMine Preferences have been renamed to GoldMine Options.*

In this chapter, I take an in depth look at the **Graphical User Interface (GUI)** for **User Options**, and the resulting UserID.ini settings that are set through this interface. Each of the sections shown above represents a tab in the GUI, that is, except for the **GUIless INI Statements** and the **GM.ini** sections. The **GUIless** section is especially useful, as it shows the reader various UserID.ini settings that cannot be set through the GUI itself. These settings extend the usefulness of the GoldMine environment. Some of the items covered, are the ability to rename the tabs in GoldMine. How about increasing the number of items that are displayed in an F2 Lookup List. I even show you how to increase the size of the cursor (query results table) returned by your SQL Queries.

In the **GM.ini** section, the reader will find GM.ini settings (big surprise, huh?), that allow you, as the Corporate GoldMine Administrator, to override the individual user option for better control of the Corporate GoldMine functionality. This is an extremely important feature in GoldMine.

At 58 pages of information, as of this writing, this chapter is, by far, the most extensive chapter included in the book.

Chapter 4

■ User Defined Fields

- Custom Fields
- Custom Screens
- Screen Design
- Record Typing

I begin this chapter with **Custom Fields** which as that is the process that I would take when designing screens for my clients. Along the way, I supply many **Tips**, and **Notes** in the sidebars. Then I proceed to the **Custom Screens**, or the canvas on which you will place your fields. Once you have read these two sections, you will want to know how to combine them into a single display for your end users. This is what I cover in the next section, **Screen Design**. I have learned much over the years in this area, however, GoldMine Premium added a whole new set of options to make screen designing much more flexible, and, in some ways, much more difficult. As I am on the FrontRange Beta team, I, in fact, sometimes have information in this book ahead of the next release of GoldMine.

I then continue on in this chapter by discussing the ability to configure your GoldMine Premium, using **Record Typing**. In the past, I have talked about Field Level Record Typing, and Record Level Record Typing. In this book, I have decided to talk only about Record Level Record Typing as incorporated into the GoldMine Premium product, although, personally, I still utilize Field Level Record Typing over the Record Level Record Typing. This feature gives the GoldMine Administrator the ability to use one dataset for different record types. Therefore, while one record in a table is used, and displayed with Contact information, the same type of record in that very same table may also be displayed with fields for Real Estate.

Chapter 5

■ The F2 Lookup Lists

- The Basics
- Code-based
- Text-based
- Products
- MultiCast

As you know, each field in GoldMine has an associated F2 Lookup List. In Chapter 5, I discuss the Basics of the F2 Lookup List first, and then I go into detail with the various uses of the F2 Lookup List. I cover the Code-based lookup, the Text-based lookup, and a special category for Forecasted Sales, the Products lookup list. The Products lookup list contains great information on placing the

price of the product in the field as the product is selected. Your representatives no longer need to go to a separate document to look up prices again.

In this edition of The Hacker's Guide I have finally included information on an application that I have designed/developed, called **MultiCast**. This application allows one to Schedule/Modify/Complete a Group Sale. When Scheduling a Forecast Sale through MultiCast, one gets a Master Forecast Sale scheduled with the total sale estimate, and up to 10 additional Product Forecast Sales all related to that Master Forecast. This is a great tool to assist you when you need to show all the items comprising a single sales opportunity, without having to use the Opportunity Manager. As Mikey says: "Try it, you'll like it."

Chapter 6

■ The Lookup.ini

- The Basics
- Updating Fields
- Emulating Radio Buttons
- Rotationally Assigning Leads to Representatives
- Last Name Conversion
- Running External Applications
- Playing Macros
- Color Coding Calendar Activities
- Generating Your Own Unique Identifier
- Record Typing (Another Approach)
- Currency Formatting
- Lookup.ini Razzle-Dazzle

As you may have guessed, this is the chapter that I love the most to write. It is a fun chapter for me to write as I love coding, and that is exactly what the Lookup.ini is, basic rudimentary coding for the enduser.

You can see from that list that this is a heavy duty chapter. In fact, many purchase this book just to acquire this chapter. Hmmm! Maybe, I should sell this chapter separately.

In **The Basics**, I cover, well, the basics of the Lookup.ini structure. I cover the sections, and the basics of the statements under those sections. As always, I salted the chapter with plenty of sidebar **Tips, Notes, Rules, and Tricks**.

Next, I put my knowledge of the basics to use. The first is the most common use of the Lookup.ini, and that is to update a field based on another field. I do this in the **Updating Fields** section of this chapter. I give you quite a few examples of this, while explaining in detail what everything is, the how's, and the why's.

I, then, continue on to give, and explain an example of **Emulating Radio Buttons**. I haven't heard as much call for this lately, but in the past it was an often requested item.

The chapter then continues into **Rotationally Assigning Leads to Representatives** using the Lookup.ini. Some call this a Round Robin lead distribution system. The example that I use is for an office with 12 representatives in the Round Robin, but an astute reader can easily adjust this up or down based on their personal sales representative force size. In my example I make excellent use of the counter() function (refer to Appendix A).

As you read on in this chapter, you will come to my famous **Last Name Conversion** routine. I developed this routine when the Lookup.ini first became available for my use. FrontRange asked, and received my permission to post this on their website as a solution to a common GoldMine problem. The posted version has a couple of syntax errors however. The one in this chapter is correct, and works well. Plus, this one comes with a full explanation of what I am attempting to accomplish. It exposes the reader to an extensive usage of dBase functions.

Moving on in this chapter, I next show you how to update a field, and **Running External Applications** at the same time. I make use of, and explain the **RunFlags** statement of the Lookup.ini. I also cover the conditional running of an external application.

Playing Macros is next. Your users, or you, have created keyboard macros, and you want them to run based upon the updating of a field. That's what this section is all about.

Then I have a couple of simple but necessary sections. I show you how to have the Lookup.ini automatically color code your users activities based on the activity type selected. This section is called **Color Coding Calendar Activities**. How appropriate. Next is the section for **Generating Your Own Unique Identifier**. Many applications that link to GoldMine will require a unique

identifier to make the link possible. I supply you with my best attempt at generating a unique number in a synchronization environment. It's not the perfect solution, but it has been working very well so far.

After this chapter was originally released, I came back to it, and added two new items to cover the latest release of GoldMine, and to include a section that I often hand out in the news groups. I added the section on **Record Typing (Another Approach)** considerations, and **Currency Formatting** of a field. The Record Typing capability was added in GoldMine 6, and plays a role everywhere in GoldMine from the fields, and the display of them to the Lookup.ini. As for Currency Formatting, well, I received at least a question a day in the forum on how to accomplish that. GoldMine only lets the user define three types of fields, character, numeric (not currency), and date based fields. I show you how to use the character based field, and convert the input to currency format using the Lookup.ini.

Actually, for GoldMine 6.7, GoldMine 7, and GoldMine Premium, John Stillman developed a great utility called **GMTray** which virtually eliminates the need for the Lookup.ini for field formatting. You can assign a currency mask, or any of a number of date masks to a character based field. There was an article written on it in an issue of **The GoldMine Advisor**, and the utility is a free download from my site.

And we have a new section for this release of the Hacker's Guide, the **Lookup.ini Razzle-Dazzle**. I take the Lookup.ini to the extreme in this section. A Lookup.ini, that was originally created for a financial institution, has been published here specifically for your review and possible use. In it, I take something like Mr & Mrs DJ and Carol Hunt Jr, and parse out the components, placing them in the appropriate fields. Also, I handle Social Security Numbers (a lot like the currency section talked about above). Razzle-Dazzle, that's the best name that I could come up with.

As I said, there is a lot of heavy information in this chapter. You should try every example in this chapter, even if you don't end up using them in your organization. The practice potential alone makes this chapter worth the cost of the entire book.

Chapter 7

■ Gathering the Data

- Filters
- SQL Queries
- Groups
- Record Tagging

Once you have your data, you will require ways of getting at that data, and finding only certain records within all of your volumes of records. If you are making use of the new **Record Typing** feature in GoldMine, you may want to send e-mails to all of your customers, and not to your properties for instance. That's what this chapter is all about, getting the data out in an organized format.

I first cover **Filters**, which can only be used against the Contact1/Contact2 tables, or can it? Pay close attention to the sidebars in this chapter, there are lots of treasures to be garnered. I, then, plow into the **SQL Queries**, and supply you with many, yes many examples of various types of SQL Queries. How about a query to group all of your contact records that have a Primary E-mail Address for an e-mail blast? Or, maybe you would like to find all of your contacts that have had no history in the last 30 days. That's an often requested query.

Once I have a cursor (result table) from the SQL Query, I might want to build a Group from that cursor. No problem, and that is the reason that I cover **Groups** after the SQL Queries section. I do a complete walk through on building a Group of records having a Primary E-mail Address, much the same as my SQL Query.

And then there is **Record Tagging**. I threw this in here as the tagged records are, in effect, a Filter. You can Merge/Purge tagged records, do document/e-mail blasts to tagged records, and much more.

I'm sorry about the large space here, but the list for Chapter 8 got much longer in this book. I didn't want to wrap the list over consecutive pages. Please flip the page.

Chapter 8

■ The Tables

- Contact1
- Contact2
- ContUDef
- ContHist
- ContSupp
- ContGrps
- Cal
- MailBox
- Cases

This is a must have chapter that is boring as heck. A real yawner, but, none the less, a required chapter for a book such as this one. I cover all of these tables in extreme detail. In some cases, I cover the table field, by field, by field, and then do it again for a different **RecType**. You've got to have a real need for a full understanding to want to go into this chapter. This information in this chapter is more appropriate for your third party application developers who need to know how to build a GoldMine table record by hand.

Chapter 9

■ WebImport® with GoldMine

- GM.ini
- Contact_Info.htm
- Process.asp
- E-mail Rule
- GoldMine WebImport - Script Generator

I begin this chapter by explaining the **GM.ini**, and how it relates to the WebImport. I do supply you with **Contact_Info.htm**, and **Process.asp** as external files, and as examples against my discussion in this chapter. The **GM.ini** settings that you are required to have, if, and only if, you wish the WebImport to update certain fields when the WebImport finds a matching contact record within your GoldMine dataset. This is a useful feature of the WebImport functionality, however, it could also be a very destructive feature in the wrong hands. Prior versions of GoldMine, the WebImport would only create new records. This updatability feature, has surely squashed some 3rd party add-ons that were taking advantage of the flaw in the earlier versions of GoldMine.

Next, in this chapter, I take you into the **Contact_Info.htm** file itself. As this is only the input form, there is not too very much that can be said, but I do hit on the highlights. It is the **Process.asp** that I cover next, that has the meat of the application. This is where the e-mail that is sent to GoldMine is formatted and generated, and it must be formatted just so, if you want the WebImport to work properly. You must assign **Instructions**, and then have the proper **Data** presentation. All of this is discussed in detail in this chapter. I list all of the possible Instructions that one could employ if they so desired, and then proceed to explain my Process.asp in detail, section by section.

I next discuss an **E-mail Rule** that will assist you in assuring the proper functioning of your WebImport. This rule is simple, probably not required, but certainly doesn't hurt either.

Lastly, I walk you through the **GoldMine WebImport - Script Generator** which creates samples, similar to my Contact_Info.htm/Process.asp. Using the script generator, however, you may create scripts for other languages like PERL, etc.

Chapter 10

■ Automated Processes with GoldMine

- Definitions
- Observer Track™
- Extras
- Triggers
- Actions
- Conclusion

I have to admit, where I dedicated an entire book to this previously, **Sales Force Automation with GoldMine 4.0**, one chapter on the activity is a bit skimpy. I do, however, cover all aspects of constructing an Automated Process (Track/Event). I begin this chapter with the **Definitions** of the components of a Track. I then construct with you the **Observer Track**, and discuss my philosophy about why this technique should be used. I also add a **Birthday Track**, and then give you the inner workings for the two tracks, as I discuss their usage in a real GoldMine Premium environment. True, it is a simple example, and one that I wouldn't normally bother to create a single Track for, yet, it is a good example of how to best employ the **Observer Track** paradigm.

Later, in this chapter, I give you a couple of **Extras** that were too large for the sidebar, and I then go into my **Conclusion** for the discussion. Part of the Conclusion is to remind you of information I had discussed back in Chapter 3, and using the **APDebugLog** statement in the UserID.ini. Those of you who are heavily into developing AP's will appreciate that little switch.

Chapter 11

■ GM+Views\GM+Browser

- Rules
- Templates
- Pushing Information
- Linked Pictures
- External Tables
- Internet Information Services (IIS)

This chapter covers an exciting feature in GoldMine Premium, the **GM+View**, and the **GM+Browser**. I begin by discussing **Rules**, but to take full advantage of the GM+Views, I recommend that you set no rules, and use the User Select option, thereby exposing multiple views under the one tab. This works much the same as the various Fields screen that you may have established.

I then proceed to discuss templates, and how I never, ever, use the GoldMine HTML Editor to create my templates. I employ DreamWeaver, but any decent HTML editor will do. If you can still find a copy of FrontPage, that was an excellent tool. As I create these in DreamWeaver, I was able to distribute many of the more common ones to you along with this book. You will find the accompanying files included in the zip file for the download version of the book.

One of my clients wanted to push data from GoldMine to their website. I discuss this in this chapter as well.

I do use the GoldMine HTML Editor in my one example in this chapter, **Linked Pictures**. This example shows you how to link pictures in GM+View to a particular record. This is useful if you have a record for a property, and needed to show views of the property. Additionally, if you needed to associate a contacts picture with their record, this would prove to be very useful.

Now we have a biggie, **External Tables**. That's right. You can display external table information within the GoldMine GM+View or the GM+Browser. I cull out certain ContHist records, actually my Contract History records which are Next Actions with specific ActvCodes. I then display the results formatted in a GM+View/GM+Browser screen. Fantastic!

Chapter 12

■ GoldMine Report Writer

- Printing a Report
- The Report Center
- Existing Reports
 - Contact Records
 - Calendar Printouts
 - Analysis Reports
 - Labels & Envelopes
 - Other Reports
- Customizing Reports
 - Sorts and Options
 - Cloning vs Creating New Reports
 - Filtering
 - Formulas and Expressions
 - Graphics
- Report Example
 - Contact List Report

You **Prior Owners** will immediately see this as a new chapter for this edition of the Hacker's Guide series of books. I have always avoid this chapter as I have always found the GoldMine Report Writer to be extremely difficult to understand except in its simplest of uses. Andrea Dominguez, my report specialist, has come to the rescue. Andrea has written this chapter for us, and I think that she has done an exemplary job.

As you can see, from the list above, Andrea covers everything that you ever wanted to know about reports, and probably much more. For those of you who enjoy writing reports, I think that you will find that this chapter will expand your knowledge of GoldMine Reports. For those of you who haven't tried creating your own reports as yet, you will find Andrea's approach very easy to understand and follow.

Thank you Andrea for doing such a wonderful job on the GoldMine Report Writer chapter.

Chapter 13

■ Microsoft SQL Server 2005®

- About SQL Server 2005
- Server Properties
- Database Properties
- Conclusion

As we don't install nor recommend the use of the Firebird backend, I have totally revamped Chapter 13 for The Hacker's Guide to GoldMine Premium. This chapter is now almost exclusively dedicated to Microsoft SQL Server 2005, although, I do give Firebird a mention in a couple of places. I have included the Microsoft general blurb about SQL Server 2005, and then I continue on to show you the **Server Properties** that we utilize in our installations.

As there are Server Properties, so to are there **Database Properties**, and I discuss these properties in detail for you as well, basing it completely on our own SOPs. These may not be appropriate settings for all environments, but they work nicely for us.

Finally, there is a short conclusion about this chapter.

Chapter 14

■ GoldSync

- GoldSync.ini
- GoldSync Server-side
- IP Address
- GoldSync Remote-side
- Whitepaper

Chapter 14 was written to try to remove some of the secretiveness from the GoldSync process. **Value Added Resellers (VAR's)/GoldMine Partners** should not be your only resource to an understanding of the GoldSync processes.

I first discuss the **GoldSync.ini** which includes tabs on **Linked Documents**, **Timeouts**, **GoldSync**, and **GoldSync Service**. These are the ini settings that used to be managed via the User Preferences, and, since GoldMine 6.0, they had been moved to an administrators area where they fit more appropriately. In GoldMine Premium they are still a separate entity, however, they are grouped together with the other Synchronization tools under the Synchronization menu.

I then proceed to walk you through the process of setting up **GoldSync** on the **Server-side**. Throughout, I stress, as I do here, the mindset of the installer. The installer must have their mindset correctly positioned as the dialog Wizard is the same whether setting up the Server-side or the Remote-side. I cannot stress enough that the installer must position their mindset for the system that they are installing against, and any Wizard text that they read must be for that system, and that system only regardless of what the dialog states.

Before I move on to the installation of **GoldSync Remote-side**, I felt it important to discuss the **IP Address**. Many individuals receive a 10060 or 10061 connection error while saying that they have done everything correctly. Most often it is that their firewall has not been configured properly to pass through the proper socket.

In previous editions of this book, I end the chapter with the setting up of the **GoldSync Remote-side**, and then synchronizing to the **GoldSync Server-side**. This is a good way to end off the chapter if the synchronization works.

However, in this edition of the Hacker's Guide, I asked, and received permission from David Lee to include his **Whitepaper** on GoldSync. David covers all of the issues that can cause GoldSync to not perform up to expectations. Mind you, GoldSync is a great product. The best on the market as far as I am concerned, however, it is not flawless. David mentions things that you should take care to watch out for.

Chapter 15

■ Leads Management Center

- Import Leads into GoldMine
- Assign Source Code
- Analyze Leads
- Assign a Merge Code
- Assign an Owner/Manager
- Assign an Automated Process
- Schedule an Activity
- Organize Filters or Groups

The **Leads Management Center** is a consolidation of a group of tools, into a single GUI, that are often used in leads management. Some of these tools have existed in GoldMine since its beginning, and are presented in this GUI as yet another access point to the application module. Others are new tools that have been requested over the years.

In this chapter, I discuss the tools lightly for the older tools, and more in depth for the newer tools.

Chapter 16

■ Opportunity Manager

[The Opportunity Manager](#)
[Configure Opportunity/Project Manager](#)
[Opportunity Templates](#)
[The Wizard](#)

The **Opportunity Manager** is a single GUI to display, and manage your opportunities, and later, as they develop, your projects. You should not use opportunities or projects if you must output printed reports on the information contained in the Opportunity/Project Managers. The **Opportunity Manager** should only be used as a GUI, and, in that usage, it is a great tool. You can manage tasks, issues, competitors, and a myriad of items via this tool. If you must manage an opportunity or project without output reports, then this is the tool for you.

Chapter 17

■ The Service Center

[About the Service Center](#)
[Templates](#)
[Customize](#)
[A Process](#)
[Knowledge Base](#)

New to GoldMine Premium is the **Service Center**, and I would be remiss in my writing if I did not include a chapter on this in this edition of the Hacker's Guide. You can see in Chapter 8, The Tables, that I included the new table, Cases. It is that table that is utilized by the Service Center for its activities.

You can see that I talk a little bit about the Service Center as a lead in to the chapter. I then show you how to make a Template in the **Templates** section of this chapter. Also, I show you how to **Customize** the few parts of the Service Center that are customizable, and then I take you through **A Process**. True this is but one way to utilize the Service Center, but it does give you an idea as to how one might use it. The GoldMine Help files, themselves, state very little about the Service Center.

Lastly, I discuss the importance of having a well establish **Knowledge Base** to assist in your first level support efforts. I think, for those of you who do supply Service to your clients, that you will find this chapter most interesting.

Appendix A

■ Appendix A

[Character Functions](#)
[Numeric Functions](#)
[Date Functions](#)
[Miscellaneous Functions](#)

I have been told that this is probably the best source of dBase expressions that are available to GoldMine, as well as, where they are available in GoldMine. And, yes, dBase expressions are still used extensively in GoldMine 7 even without the BDE. Some work for reports only, while others work everywhere. I may have missed a few, however, being an eBook allows me to add new ones in as they are brought to my attention. So far, only one such omission has been brought to my attention, **&PlayMacro**, and this book has been available to the public since February 2003.

Appendix B

■ Appendix B

[GoldMine Macros](#)

Well that says it all, doesn't it? This is a compendium of GoldMine Macros that can be employed throughout GoldMine, and in Microsoft Word templates as well as GoldMine E-mail Templates. There is not much else that I can add here.

I hope that you will gather a wealth of GoldMine information from this book. I request that, if you find something in error in this book, be it spelling, grammatical or technical content, that you let me know immediately as I would like this book to be as accurate as is possible.

