SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Form 10-Q QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE R **SECURITIES EXCHANGE ACT OF 1934** For the Quarterly Period Ended September 30, 2010 OR £ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE **SECURITIES EXCHANGE ACT OF 1934** For the Transition Period From to Commission file number 000-30083 QUALSTAR CORPORATION **CALIFORNIA** 95-3927330 (State of incorporation) (I.R.S. Employer Identification No.)

> 3990-B Heritage Oak Court, Simi Valley, CA 93063 (805) 583-7744

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports); and (2) has been subject to such filing requirements for the past 90 days. Yes b No o

Indicate by check mark whether the registrant has submitted electronically and posted on its website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes o No o

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definition of "accelerated filer," "large accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one): Large accelerated filer o Accelerated filer o Non-accelerated filer" Smaller reporting company b

Large accelerated mer o mecclerated mer o mon accelerated mer o smaller reporting company p

Indicate by check mark whether the registrant is a shell company (as defined in Exchange Act

Rule 12b-2). Yes o No þ

Total shares of common stock without par value outstanding at September 30, 2010 is 12,253,117.

QUALSTAR CORPORATION

Item 6. Exhibits

Signatures

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PART I — FINANCIAL INFORMATION

ITEM 1. FINANCIAL STATEMENTS

QUALSTAR CORPORATION CONDENSED BALANCE SHEETS (In thousands)

	September 30, 2010 (Unaudited)	June 30, 2010 (Audited)
ASSETS		
Current assets:		
Cash and cash equivalents	\$1,949	\$2,234
Marketable securities, short-term	11,789	12,033
Receivables, net of allowances of \$145 at September 30, 2010, and \$113 at June		
30, 2010	2,569	2,829
Inventories, net	5,472	4,823
Prepaid expenses and other current assets	348	299
Total current assets	22,127	22,218
Property and equipment, net	248	260
Marketable securities, long-term	10,517	9,997
Other assets	46	46
Total assets	\$32,938	\$32,521
LIABILITIES AND SHAREHOLDERS' EQUITY		
Current liabilities:		
Accounts payable	\$1,552	\$1,225
Accrued payroll and related liabilities	396	521
Other accrued liabilities	930	903
Total current liabilities	2,878	2,649
Other long term liabilities	25	25
Commitments and contingencies:		
Shareholders' equity:		
Preferred stock, no par value; 5,000 shares authorized; no shares issued		
Common stock, no par value; 50,000 shares authorized, 12,253 shares issued	10.027	10.020
and outstanding as of September 30, 2010 and June 30, 2010	18,837	18,830
Accumulated other comprehensive income	78	64
Retained earnings	11,120	10,953
Total shareholders' equity	30,035	29,847
Total liabilities and shareholders' equity	\$32,938	\$32,521

See notes to condensed financial statements.

QUALSTAR CORPORATION CONDENSED STATEMENTS OF OPERATIONS (Unaudited) (In thousands, except per share data)

	Three Months Ended September 30,				
	2010	2009			
Net revenues	\$5,241	\$3,679			
Cost of goods sold	3,129	2,716			
Gross profit	2,112	963			
Operating expenses:					
Research and development	707	802			
Sales and marketing	636	544			
General and administrative	649	671			
Total operating expenses	1,992	2,017			
Income (loss) from operations	120	(1,054)		
Investment income	47	103			
Income (loss) before income taxes	167	(951)		
Provision for income taxes	-	-			
Net income (loss)	\$167	\$(951)		
Earnings (loss) per common share:					
Basic and Diluted	\$0.01	\$(0.08)		
Weighted average common shares outstanding:					
Basic and Diluted	12,253	12,253			
Cash dividends declared per common share	\$ -	\$0.06			

See notes to condensed financial statements.

QUALSTAR CORPORATION CONDENSED STATEMENTS OF CASH FLOWS (Unaudited) (In thousands)

	Sep	Months Ended ptember 30,	
	2010	2009	
OPERATING ACTIVITIES:	• 1 < -	¢ (0 51	`
Net income (loss)	\$167	\$(951)
Adjustments to reconcile net income (loss) to net cash provided by (used in)			
operating activities:	40	16	
Depreciation and amortization	42	46)
Provision for (recovery of) bad debts and returns, net	32	(15)
(Recovery of) provision for inventory reserve and adjustments	(3) 123	
Stock based compensation Loss on sale of marketable securities	7 2	1	
	Z	-	
Changes in operating assets and liabilities: Accounts receivable	228	222	
Inventories	(645) 77	
Prepaid expenses and other assets	(043)) (13	
Accounts payable	327	292)
Accrued payroll and related liabilities	(126) (111	
Other accrued liabilities	26	(32)	
Net cash provided by (used in) operating activities	8	(355	
The easily provided by (used in) operating activities	0	(555)
INVESTING ACTIVITIES:			
Purchases of equipment	(30) (2)
Purchases of marketable securities	(3,621) (6,279)
Proceeds from the sale of marketable securities	3,358	6,006	,
Net cash used in investing activities	(293) (275)
	(
FINANCING ACTIVITIES:			
Cash dividends on common shares	-	(735)
Net cash used in financing activities	-	(735)
NET DECREASE IN CASH AND CASH EQUIVALENTS	(285) (1,365)
	0.004	0.740	
CASH AND CASH EQUIVALENTS, BEGINNING OF PERIOD	2,234	3,749	
CASH AND CASH EQUIVALENTS, END OF PERIOD	\$1,949	\$2,384	
SUDDI EMENITAL CASH ELOW DISCLOSUDES.			
SUPPLEMENTAL CASH FLOW DISCLOSURES:	\$4	¢10	
Income taxes paid	4	\$10	

See notes to condensed financial statements.

QUALSTAR CORPORATION CONDENSED STATEMENT OF CHANGES IN SHAREHOLDERS' EQUITY THREE MONTHS ENDED SEPTEMBER 30, 2010 (Unaudited) (In thousands)

	Accumulated Other							
		on Stock	Comprehensive					
	Shares	Amount	Income	Earnings		Total		
Balance at June 30, 2010	12,253	\$ 18,830	\$ 64	\$ 10,953	\$	29,847		
Share-based compensation		7				7		
Comprehensive income:								
Change in unrealized gains								
on investments		—	14			14		
Net income		—		167		167		
Comprehensive income						181		
Balance at September 30, 2010	12,253	\$ 18,837	\$ 78	\$ 11,120	\$	30,035		

See notes to condensed financial statements

QUALSTAR CORPORATION

NOTES TO CONDENSED FINANCIAL STATEMENTS

(Unaudited)

Note 1 – Basis of Presentation

Basis of Presentation

In the opinion of management, the accompanying condensed financial statements, including balance sheets and related interim statements of operations, cash flows, and stockholders' equity, include all adjustments, consisting primarily of normal recurring items, which are necessary for their fair presentation in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP").

Preparing financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue and expenses. Examples include estimates of loss contingencies, product life cycles and inventory obsolescence, bad debts, sales returns, share based compensation forfeiture rates, the potential outcome of future tax consequences of events that have been recognized in our financial statements or tax returns, and determining when investment impairments are other-than-temporary. Actual results and outcomes may differ from management's estimates and assumptions.

Interim results are not necessarily indicative of results for a full year. The information included in this Form 10-Q should be read in conjunction with information included in the Qualstar Corporation Annual Report on Form 10-K for the fiscal year ended June 30, 2010, filed with the Securities and Exchange Commission ("SEC") on September 23, 2010.

Note 2 - Recent Accounting Pronouncements

Recently Adopted Accounting Pronouncements

On July 1, 2010 we adopted the authoritative guidance that requires revised evaluations of whether entities represent variable interest entities, ongoing assessments of control over such entities, and additional disclosures for variable interests. Adoption of the new guidance did not have a material impact on our financial statements.

On July 1, 2010 we adopted the authoritative guidance issued by the FASB on arrangements that include software elements. Under this new guidance, tangible products that have software components that are essential to the functionality of the tangible product will no longer be within the scope of the software revenue recognition guidance, and software-enabled products will now be subject to other relevant revenue recognition guidance. Additionally, the FASB issued authoritative guidance, Accounting Standards Update ("ASU") 2009-13 on revenue arrangements with multiple deliverables that are outside the scope of the software revenue recognition guidance. Under the new guidance, when vendor specific objective evidence or third party evidence for deliverables in an arrangement cannot be determined, a best estimate of the selling price is required to separate deliverables and allocate arrangement consideration using the relative selling price method. The new guidance includes new disclosure requirements on how the application of the relative selling price method affects the timing and amount of revenue recognition. We believe adoption of this new guidance will not have a material impact on our financial statements.

In January 2010, the FASB issued an ASU 2010-06, to amend the disclosure requirements related to recurring and nonrecurring fair value measurements. The guidance requires new disclosures on the transfers of assets and liabilities

between Level 1 (quoted prices in active market for identical assets or liabilities) and Level 2 (significant other observable inputs) of the fair value measurement hierarchy, including the reasons and the timing of the transfers. Additionally, the guidance requires a roll forward of activities on purchases, sales, issuance, and settlements of the assets and liabilities measured using significant unobservable inputs (Level 3 fair value measurements). The guidance became effective for us with the reporting period beginning January 1, 2010, except for the disclosure on the roll forward activities for Level 3 fair value measurements, which will become effective for us with the reporting period beginning July 1, 2011. Other than requiring additional disclosures, adoption of this new guidance did not have a material impact on our financial statements.

QUALSTAR CORPORATION

NOTES TO CONDENSED FINANCIAL STATEMENTS- (Continued)

Note 3 - Concentration of Credit Risk, Other Concentration Risks and Significant Customers

We are exposed to interest rate risks. Our interest income is sensitive to changes in the general level of U.S. interest rates, particularly since the majority of our investments are in shorter duration fixed income securities. We have no outstanding debt nor do we utilize auction rate securities or derivative financial instruments in our investment portfolio.

Our financial results could be affected by changes in foreign currency exchange rates or weak economic conditions in foreign markets. As all sales are currently made in U.S. dollars, a strengthening of the dollar could make our products less competitive in foreign markets. Sales outside of North America represented approximately 32.9% of net revenues in the three months ended September 30, 2010, and 24.1% of net revenues in the three months ended September 30, 2010, and 24.1% of net revenues in the three months ended September 30, 2010, and 24.1% of net revenues in the three months ended September 30, 2010, and 24.1% of net revenues in the three months ended September 30, 2009.

Two customers accounted for 18.8% and 13.0%, respectively, of the Company's revenue for the three-month period ended September 30, 2010. The customers' accounts receivable balances, net of specific allowances, totaled approximately 5.7% and 12.1%, respectively, of net accounts receivable as of September 30, 2010. Two customers accounted for 11.8% and 10.8%, respectively, of the Company's revenue for the three-month period ended September 30, 2009. The customers' accounts receivable balances, net of specific allowances, totaled approximately 5.7% and 15.0%, respectively accounts receivable balances, net of specific allowances, totaled approximately 5.7% and 15.0%, respectively and 15.0%, respectively.

Note 4 – Income (Loss) Per Share

Basic income (loss) per share has been computed by dividing net income (loss) by the weighted average number of common shares outstanding. Diluted income (loss) per share has been computed by dividing net income (loss) by the weighted average common shares outstanding plus dilutive securities or other contracts to issue common stock as if these securities were exercised or converted to common stock.

The following table sets forth the computation of basic and diluted net income (loss) per share for the periods indicated:

	Three Months Ended September 30,					
In thousands (except per share amounts):	201	.0	200)9		
Net income (loss) (a)	\$	167	\$	(951)	
Weighted average outstanding shares of common						
stock (b)		12,253		12,253		
Dilutive potential common shares from employee						
stock options						
Common stock and common stock equivalents (c)		12,253		12,253		
Loss per share:						
Basic net loss per share (a)/(b)	\$	0.01	\$	(0.08)	
Diluted net loss per share $(a)/(c)$	\$	0.01	\$	(0.08)	

QUALSTAR CORPORATION

NOTES TO CONDENSED FINANCIAL STATEMENTS- (Continued)

Note 5 – Marketable Securities

Marketable securities consist primarily of commercial paper, U.S. government and agency securities, asset-backed securities, mortgage-backed securities and corporate bonds. These securities are classified in one of three categories: trading, available-for-sale, or held-to-maturity. Trading securities are bought and held principally for the purpose of selling them in the near term. Held-to-maturity securities are those securities that Qualstar has the ability and intent to hold until maturity. All other securities not included in trading or held-to-maturity are classified as available-for-sale. All of Qualstar's marketable securities were classified as available-for-sale at September 30, 2010 and June 30, 2010.

The following tables summarize the marketable securities by security type at September 30, 2010, and June 30, 2010, respectively (in thousands):

September 30, 2010	1	Amortized Cost	U	nrealized Gain	U	nrealized Loss	Fair Value
US Treasury obligations and U.S. Government							
agencies	\$	15,310	\$	60	\$	_	\$ 15,370
Collateralized mortgage obligations		1,235		1			1,236
Asset-backed securities		3,349		11		_	3,360
Corporate bonds		2,333		7		—	2,340
Total	\$	22,227	\$	79	\$		\$ 22,306

June 30, 2010	P	Amortized Cost	U	Inrealized Gain	U	nrealized Loss		Fair Value
US Treasury obligations and U.S. Government								
agencies	\$	16,743	\$	63	\$		\$	16,806
Government Sponsored Enterprise collateralized								
mortgage obligations		635		2				637
Asset backed securities		2,229		4				2,233
Corporate bonds		2,359				(5)	2,354
Total	\$	21,966	\$	69	\$	(5) \$	22,030

There were no unrealized loss positions as of September 30, 2010. The following table shows the gross unrealized losses and fair value of the Company's investments with unrealized losses that are not deemed to be other-than-temporarily impaired, aggregated by investment category and length of time that individual securities have been in a continuous unrealized loss position, at June 30, 2010 (in thousands):

	Le	ss Than 12	2 Mon	ths		12	Months o	r Great	ter		Тс	otal			
		Fair	U	nrealiz	zed		Fair	U	nrealiz	ed		Fair	Un	realiz	ed
June 30, 2010		Value		Loss			Value		Loss			Value		Loss	
Corporate bonds		1,070		(3)		1,284		(2)		2,354		(5)
Total	\$	1,070	\$	(3)	\$	1,284	\$	(2)	\$	2,354	\$	(5)

Available-for-sale securities are recorded at market value. Unrealized holding gains and losses, net of the related income tax effect, on available-for-sale securities are excluded from earnings and are reported as a separate

component of shareholders' equity until realized. Dividend and interest income are recognized when earned. Realized gains and losses for securities classified as available-for-sale are included in earnings when the underlying securities are sold and are derived using the specific identification method for determining the cost of securities sold. Loss on the sale of marketable securities for the three months ended September 30, 2010 was \$2,000. There was no gain or loss on the sale of marketable securities for the three months ended September 30, 2009. The change in net unrealized gain (loss) on available-for-sale securities that has been included in the other comprehensive income of shareholder's equity during the three months ended September 30, 2010 and 2009 was \$14,000 and (\$33,000), respectively.

QUALSTAR CORPORATION

NOTES TO CONDENSED FINANCIAL STATEMENTS- (Continued)

Note 6 – Fair Value Measurements

We account for certain assets and liabilities at fair value. Fair value is defined as the price that would be received upon sale of an asset or paid upon transfer of a liability in an orderly transaction between market participants at the measurement date and in the principal or most advantageous market for that asset or liability. The fair value should be calculated based on assumptions that market participants would use in pricing the asset or liability, not on assumptions specific to the entity. In addition, the fair value of liabilities should include consideration of non-performance risk including our own credit risk.

The hierarchy below prioritizes the valuation inputs into three levels based on the extent to which inputs used in measuring fair value are observable in the market. Each fair value measurement is reported in one of the three levels, which is determined by the lowest level input that is significant to the fair value measurement in its entirety. These levels are:

- Level 1 inputs are based upon unadjusted quoted prices for identical instruments traded in active markets.
- Level 2 inputs are based upon quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-based valuation techniques for which all significant assumptions are observable in the market or can be corroborated by observable market data for substantially the full term of the assets or liabilities.
- Level 3 inputs are generally unobservable and typically reflect management's estimates of assumptions that market participants would use in pricing the asset or liability. The fair values are therefore determined using model-based techniques that include option pricing models, discounted cash flow models, and similar techniques.

In general, and where applicable, we use quoted prices in active markets for identical assets to determine fair value. This pricing methodology applies to our Level 1 investments such as U.S. treasuries and agency securities and exchange-traded mutual funds. If quoted prices in active markets for identical assets are not available to determine fair value, then we use quoted prices for similar assets or inputs other than the quoted prices that are observable either directly or indirectly. These investments are included in Level 2 and consist primarily of corporate bonds, mortgage-backed securities, and certain agency securities. While we own certain mortgage-backed fixed income securities, our portfolio as of September 30, 2010 does not contain direct exposure to sub prime mortgages or structured vehicles that derive their value from sub prime collateral. Our mortgage-backed securities are collateralized by prime residential mortgages and carry a 100% principal and interest guarantee, primarily from Federal National Mortgage Association and Federal Home Loan Mortgage Corporation.

Assets and Liabilities Measured at Fair Value on a Recurring Basis

The following table presents our assets and liabilities measured at fair value on a recurring basis at September 30, 2010 (in thousands):

Assets	Level 1	Level 2	Net Balance
Cash	\$ 1,272	_	\$ 1,272

677	_	677
7,637	7,733	15,370
_	3,360	3,360
_	1,236	1,236
_	2,340	2,340
\$ 0.586	\$ 14 660	\$ 24,255
	7,637 - - -	7,637 7,733 - 3,360 - 1,236

QUALSTAR CORPORATION

NOTES TO CONDENSED FINANCIAL STATEMENTS- (Continued)

Note 7 - Inventories

Inventories are stated at the lower of cost (first-in, first-out basis) or market. Inventories are comprised as follows (in thousands):

	S	eptember 30),	June 30,	
		2010		2010	
Raw materials	\$	4,242	\$	4,164	
Finished goods		1,710		1,250	
Subtotal		5,952		5,414	
Less: Inventory reserve		(480)	(591)
Net inventory balance	\$	5,472	\$	4,823	

Note 8 - Warranty Obligations

We provide for the estimated costs of hardware warranties at the time the related revenue is recognized. We estimate the costs based on historical and projected product failure rates, historical and projected repair costs, and knowledge of specific product failures (if any). The specific hardware warranty terms and conditions for tape libraries generally include parts and labor over a three-year period. The warranty for power supplies generally is three years. We regularly re-evaluate our estimates to assess the adequacy of the recorded warranty liabilities and adjust the amounts as necessary.

Activity in the liability for product warranty for the periods presented were as follows (in thousands):

	ree Month otember 30			
	2010		2009	
Beginning balance	\$ 156		\$ 167	
Cost of warranty claims	(16)	(16)
Accruals for product warranties	36		11	
Ending balance	\$ 176		\$ 162	

Note 9 – Comprehensive Income (Loss)

For the three months ended September 30, 2010 and 2009, comprehensive income (loss) amounted to approximately \$181,000 and (\$984,000), respectively. The difference between net loss and comprehensive loss relates to the changes in the unrealized losses or gains the Company recorded for its available-for-sale marketable securities.

Note 10 - Legal Proceedings

We are from time to time involved in various lawsuits and legal proceedings that arise in the ordinary course of business. At this time, we are not aware of any pending or threatened litigation against us that we expect will have a material adverse effect on our business, financial condition, and liquidity or operating results. Legal claims are inherently uncertain, however, and it is possible that the Company's business, financial condition, liquidity and/or operating results could be adversely affected in the future by legal proceedings.

QUALSTAR CORPORATION

NOTES TO CONDENSED FINANCIAL STATEMENTS- (Continued)

Note 11 – Income Taxes

We did not record a provision or benefit for income taxes for the three months ended September 30, 2010 and 2009. The Company has recorded a full valuation allowance against its net deferred tax assets based on the Company's assessment regarding the realizability of these net deferred tax assets in future periods.

Note 12 – Segment Information

In its operation of the business, management reviews certain financial information, including segmented internal profit and loss statements prepared on a basis consistent with U.S. GAAP. Our two segments are Tape Libraries and Power Supplies. The two segments discussed in this analysis are presented in the way we internally managed and monitored performance for the three months ended September 30, 2010 and 2009. Allocations for internal resources were made for the three months ended September 30, 2010 and 2009. The power supplies segment tracks certain assets separately, and all others are recorded in the tape library segment for internal reporting presentations. Cash was not segregated between the two segments, but retained by the library segment through the third quarter of fiscal 2009. Cash was segregated between the two segments commencing in the fourth quarter of fiscal 2009.

The types of products and services provided by each segment are summarized below:

Tape Libraries — We design, develop, manufacture and sell automated magnetic tape libraries used to store, retrieve and manage electronic data primarily in network computing environments. Tape libraries consist of cartridge tape drives, tape cartridges and robotics to move the cartridges from their storage locations to the tape drives under software control. Our tape libraries provide data

storage solutions for organizations requiring backup, recovery and archival storage of critical data.

Power Supplies — We design, manufacture, and sell small, open frame, high efficiency switching power supplies. These power supplies are used to convert AC line voltage to DC voltages, or DC Voltages to other DC voltages for use in a wide variety of electronic equipment such as telecommunications equipment, machine tools, routers, switches, wireless systems and gaming devices.

Segment revenue, loss before taxes and total assets were as follows (in thousands):

	Three Months Ended September 30,		
		2010	2009
Revenue			
Tape Libraries:			
Product	\$	2,446	\$ 1,756
Service		779	732
Total Tape Libraries		3,225	2,488
Power Supplies		2,016	1,191
Total Revenue	\$	5,241	\$ 3,679

QUALSTAR CORPORATION

NOTES TO CONDENSED FINANCIAL STATEMENTS- (Continued)

	Three Months Ended September 30,					
		201	0		2009	
Income (Loss) before Taxes						
Tape Libraries	\$	(73)	\$	(891)
Power Supplies		240			(60)
Total Income (Loss) before Taxes	\$	167		\$	(951)
		Sen	tember 30,		June 30,	
		ыср	2010		2010	
Total Assets						
Tape Libraries		\$	32,509	\$	32,418	
Power Supplies			429		103	
Total Assets		\$	32,938	\$	32,521	

Note 13 – Subsequent Event

The Company has performed an evaluation of subsequent events through the date of filing.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Statements in this Quarterly Report on Form 10-Q concerning the future business, operating results and financial condition of Qualstar including estimates, projections, statements relating to our business plans, objectives and operating results, and the assumptions upon which those statements are based, are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These forward-looking statements inherently are subject to risks and uncertainties, some of which we cannot predict or quantify. Our actual results may differ materially from the results projected in the forward-looking statements. Factors that might cause such a difference include, but are not limited to, those discussed in our Annual Report on Form 10-K for the fiscal year ended June 30, 2010 in "ITEM 1 Business," "Item 1A Risk Factors," and in "ITEM 7 Management's Discussion and Analysis of Financial Condition and Results of Operations." You generally can identify forward-looking statements by the use of forward-looking terminology such as "believes," "may," "expects," "intends," "estimates," "anticipates," "plans," "seeks," or "continues," or the negative thereof or variations thereon or similar terminology Except as required by law, we undertake no obligation to publicly update or revise any forward-looking statements to reflect the occurrence of events or circumstances in the future.

OVERVIEW

We design, develop, manufacture and sell automated magnetic tape libraries used to store, retrieve and manage electronic data primarily in network computing environments. We currently offer tape libraries utilizing the LTO tape drive technology.

Many enterprises now routinely manage very large databases, in addition to storing information on local desktop computers. This, coupled with the growth in the amount of data from new sources and applications, is increasing the need for managing and storing data efficiently. We have developed tape libraries spanning a range of prices, capacity and performance. We expect our products to continue to evolve in the future in response to emerging tape technologies and changing customer preferences.

We have developed a network of value added resellers who specialize in delivering complete storage solutions to end-users. End users of our products range from small businesses requiring simple automated backup solutions to large organizations needing complex storage management solutions. We assist our customers with marketing, sales and technical support.

We also design, develop and sell high-efficiency open-frame switching power supplies used in telecommunications equipment, servers, routers, switches, RAIDs, high-efficiency lighting and similar applications. Our power supplies are sold under the N2Power brand name through independent sales representatives and distributors. The primary customers are original equipment manufacturers and contract manufacturers. We also utilize these power supplies in some of our tape libraries.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

Our discussion and analysis of our financial condition and results of operations is based upon our financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States. The preparation of these financial statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses and related disclosure of contingent assets and liabilities. On an on-going basis, we evaluate our estimates, including those related to customer promotional offers, sales returns, bad debts, inventories, warranty costs, investments, share based compensation, and income taxes. We base our estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the

results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

We believe the following critical accounting policies affect our more significant judgments and estimates used in the preparation of our financial statements.

Revenue Recognition

Revenue is recognized in accordance with Accounting Standards Codification ("ASC") 605, "Revenue Recognition," when persuasive evidence of an arrangement exists, transfer of title has occurred, the price is fixed or readily determinable, and collectability is reasonable assured. Title and risk of loss transfer to the customer when the product leaves our dock in Simi Valley, California, or another shipping location designated by us. In general, these customers are allowed to return the product, free of penalty, within thirty days of shipment, if the product does not meet the end user's requirements.

We record an allowance for estimated sales returns based on past experience and current knowledge of our customer base. Our experience has been such that only a very small percentage of products are returned. Should our experience change, however, we may require additional allowances for sales returns.

Marketable Securities

All of Qualstar's marketable securities were classified as available-for-sale as it is possible that some securities will be sold prior to maturity. Available-for-sale securities are recorded at market value. Unrealized holding gains and losses, net of the related income tax effect, on available-for-sale securities are excluded from earnings and are reported as a separate component of shareholders' equity until realized. Dividend and interest income are recognized when earned. Realized gains and losses for securities classified as available-for-sale are included in earnings when the underlying securities are sold and are derived using the specific identification method for determining the cost of securities sold.

Financial Instruments

We measure fair value on all financial assets and liabilities and nonfinancial assets and liabilities that are recognized or disclosed at fair value in the financial statements on a recurring basis (at least quarterly). See "Note 6 – Fair Value Measurements."

Allowance for Doubtful Accounts

We estimate our allowance for doubtful accounts based on an assessment of the collectibility of specific accounts and the overall condition of accounts receivable. In evaluating the adequacy of the allowance for doubtful accounts, we analyze specific trade receivables, historical bad debts, customer credits, customer credit-worthiness and changes in customers' payment terms and patterns. If the financial condition of our customers were to deteriorate, resulting in an impairment of their ability to make additional payments, then we may need to make additional allowances. Likewise, if we determine that we could realize more of our receivables in the future than previously estimated, we would adjust the allowance to increase income in the period we made this determination.

Inventory Valuation

We record inventories at the lower of cost or market value. We assess the value of our inventories periodically based upon numerous factors including expected product or material demand, current market conditions, technological obsolescence, current cost and net realizable value. If necessary, we write down our inventory for estimated obsolescence, potential shrinkage, or unmarketable inventory equal to the difference between the cost of inventory and the estimated market value based upon assumptions about future demand and market conditions. If technology changes more rapidly than expected, or market conditions become less favorable than those projected by management, additional inventory write-downs may be required.

Warranty Obligations

We provide for the estimated cost of product warranties at the time revenue is recognized. We engage in extensive product quality programs and processes, including active monitoring and evaluation of product failure rates, material usage and estimation of service delivery costs incurred in correcting a product failure. However, should actual product failure rates, material usage, or service delivery costs differ from our estimates, revisions to the estimated warranty liability would be required. Historically our warranty costs have not been significant.

Share-Based Compensation

Share-based compensation is accounted for in accordance with ASC 718, "Compensation – Stock Compensation". We use the Black-Scholes option-pricing model to determine fair value of the award at the date of grant and recognize compensation expense over the vesting period. The inputs we use for the model require the use of judgment, estimates and assumptions regarding the expected volatility of the stock, the expected term the average employee will hold the option prior to the date of exercise, expected future dividends, and the amount of share-based awards that are expected to be forfeited. Changes in these inputs and assumptions could occur and actual results could differ from these estimates, and our results of operations could be materially impacted.

Accounting for Income Taxes

We estimate our tax liability based on current tax laws in the statutory jurisdictions in which we operate in accordance with ASC 740, "Income Taxes." These estimates include judgments about deferred tax assets and liabilities resulting from temporary differences between assets and liabilities recognized for financial reporting purposes and such amounts recognized for tax purposes, as well as about the realization of deferred tax assets. We may recognize the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained upon examination by the taxing authorities, based on the technical merits of the position. The tax benefits recognized in the financial statements from such a position should be measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate settlement. ASC 740 also provides guidance on derecognition of income tax assets and liabilities, accounting for interest and penalties associated with tax positions, and income tax disclosures.

We maintain a valuation allowance to reduce our deferred tax assets due to the uncertainty surrounding the timing of realizing the benefits of net deferred tax assets in future years. We have considered future taxable income and ongoing prudent and feasible tax planning strategies in assessing the need for such a valuation allowance. In the event we were to determine that we would be able to realize all or part of our net deferred tax asset in the future, the valuation allowance would be decreased accordingly.

We may periodically undergo examinations by the federal and state regulatory authorities and the Internal Revenue Service. We may be assessed additional taxes and/or penalties contingent on the outcome of these examinations. Our previous examinations have not resulted in any unfavorable or significant assessments.

RESULTS OF OPERATIONS

The following table reflects, as a percentage of net revenues, statements of operations data for the periods indicated:

	Three Month Septembe	
	2010	2009
Net revenues	100.0 %	100.0 %
Cost of goods sold	59.7	73.8
Gross profit	40.3	26.2
Operating expenses:		
Research and development	13.5	21.8
Sales and marketing	12.1	14.8
General and administrative	12.4	18.2
Total operating expenses	38.0	54.8
Income (loss) from operations	2.3	(28.6)

Investment income	0.9		2.8	
Income (loss) before income taxes	3.2		(25.8)
Provision for income taxes	0.0		0.0	
Net income (loss)	3.2	%	(25.8)%

We have two operating segments for financial reporting purposes: tape libraries and power supplies, as discussed in Note 12 of the Notes to Financial Statements in Item 1 of this report. The following table summarizes our revenue by major product line and by operating segment:

	Three Months Ended September 30,		
	2010	2009	
Tape Library revenues:			
TLS	8.6 %	19.7	%
RLS	5.0	4.8	
XLS	26.7	7.9	
	40.3	32.4	
Other library revenues:			
Service	14.8	19.9	
Media	2.8	11.5	
Upgrades, spares	3.6	3.8	
	21.2	35.2	
Total Library revenues	61.5	67.6	
Power Supply revenues	38.5	32.4	
	100.0 %	100.0	%

Three Months Ended September 30, 2010 Compared to Three Months Ended September 30, 2009

Net Revenue. Net revenues increased to \$5.2 million for the three months ended September 30, 2010 from \$3.7 million for the three months ended September 30, 2009, an increase of \$1.5 million, or 42.5%. Two customers accounted for 18.8% and 13.0%, respectively, of the Company's revenue for the three-month period ended September 30, 2010. The customers' accounts receivable balances, net of specific allowances, totaled approximately 5.7% and 12.1%, respectively, of net accounts receivable as of September 30, 2010. Two customers accounted for 11.8% and 10.8%, respectively, of the Company's revenue for the three-month period ended September 30, 2009. The customers' accounts receivable as of September 30, 2010. Two customers accounted for 11.8% and 10.8%, respectively, of the Company's revenue for the three-month period ended September 30, 2009. The customers' accounts receivable balances, totaled approximately 5.7% and 15.0%, respectively, of net accounts receivable allowances, totaled approximately 5.7% and 15.0%, respectively, of net accounts receivable accounts receivable approximately 5.7% and 15.0%, respectively, of net accounts receivable accounts receivable approximately 5.7% and 15.0%, respectively, of net accounts receivable as of September 30, 2009.

Segment Revenue

Tape Libraries – Net tape library revenues increased to \$3.2 million for the three months ended September 30, 2010 from \$2.5 million for the three months ended September 30, 2009, an increase of \$0.7 million, or 29.6%. The increase in revenues is attributed primarily to a \$1.1 million increase in revenues from our XLS product line, partially offset by a \$0.3 million decrease in revenues from our TLS product line, and a \$0.3 million decrease in media revenues.

Power Supplies – Net revenues from power supplies increased to \$2.0 million for the three months ended September 30, 2010 from \$1.2 million for the three months ended September 30, 2009, an increase of \$0.8 million, or 69.3%. The increase in revenues is attributed to higher sales to original equipment manufacturer customers and distributors.

Gross Profit. Gross profit represents the difference between our net revenues and cost of goods sold. Cost of goods sold consists primarily of purchased parts, direct and indirect labor costs, rent, technical support costs, depreciation of plant and equipment, utilities, and packaging costs. Gross profit increased to \$2.1 million, or 40.3% of net revenues, for the three months ended September 30, 2010 from \$1.0 million, or 26.2% of net revenues, for the three months ended September 30, 2009. The increase in gross profit percentage is attributed to a change in product mix and a decrease in inventory reserves.

Research and Development. Research and development expenses consist of engineering salaries, benefits, outside consultant fees, and purchased parts and supplies used in development activities. Research and development decreased to \$0.7 million for the three months ended September 30, 2010 from \$0.8 million for the three months ended September 30, 2009. The decrease of \$0.1 million, or 11.8%, is attributed to a decrease in compensation expenses related to a decrease in headcount.

Sales and Marketing. Sales and marketing expenses consist primarily of employee salaries and benefits, sales commissions, trade show costs, advertising and travel related expenses. Sales and marketing expenses increased to \$0.6 million for the three months ended September 30, 2010 from \$0.5 million for the three months ended September 30, 2009. The increase of \$0.1 million, or 16.9%, is primarily due to an increase in commissions expense correlated to an increase in revenues.

General and Administrative. General and administrative expenses include employee salaries and benefits and professional service fees. General and administrative expenses remained comparable at \$0.7 million for the three months ended September 30, 2010 and 2009.

Investment Income. Investment income decreased to \$0.05 million for the three months ended September 30, 2010 from \$0.1 million for the three months ended September 30, 2009. The decrease of \$0.05 million, or 54.4% is primarily due to the lower interest rate environment and partially due to having approximately \$2.3 million less cash, cash equivalents and marketable securities in the quarter ended September 30, 2010 compared to the prior year quarter.

Provision for Income Taxes. We did not record a provision or benefit for income taxes for the three months ended September 30, 2010 and the quarter ended September 30, 2009.

LIQUIDITY AND CAPITAL RESOURCES

Net cash provided by operating activities was \$0.01 million in the three months ended September 30, 2010, primarily attributed to the net income for the period, an increase in accounts payable, and a decrease in accounts receivable, partially offset by an increase in inventories and a decrease in accrued payroll and related liabilities. Net cash used by operating activities was \$0.4 million in the three months ended September 30, 2009, primarily attributed to the net loss for the period and a decrease in accrued payroll and related liabilities, partially offset by a decrease in receivables and an increase in accounts payable.

Cash used in investing activities was \$0.3 million in the three months ended September 30, 2010, primarily attributed to the purchase of marketable securities, partially offset by the sale of marketable securities. Cash used in investing activities was \$0.3 million in the three months ended September 30, 2009, primarily attributed to the purchase of marketable securities, partially offset by the sale of marketable securities.

Cash was not used in financing activities for the three months ended September 30, 2010. Cash used in financing activities was \$0.7 million in the three months ended September 30, 2009, attributed to the payment of cash dividends of \$0.06 per share that we declared on August 28, 2009 and paid on September 28, 2009 on shares of our common stock.

As of September 30, 2010, we had \$1.9 million in cash and cash equivalents and \$22.3 million in marketable securities. We believe that our existing cash and cash equivalents and cash flows from our operating activities, plus funds available from the sale of our marketable securities, will be sufficient to fund our working capital and capital expenditure needs for at least the next 12 months. We may utilize cash to invest in businesses, products or

technologies that we believe are strategic. We periodically evaluate other companies and technologies for possible investment by us. In addition, we have made and may in the future make investments in companies with whom we have identified potential synergies. However, we have no present commitments or agreements with respect to any material acquisition of other businesses or technologies.

ITEM 3. QUALITATIVE AND QUANTITATIVE DISCLOSURES ABOUT MARKET RISK

We develop products in the United States and sell them worldwide. As a result, our financial results could be affected by factors such as changes in foreign currency exchange rates or weak economic conditions in foreign markets. As all sales are currently made in U.S. dollars, a strengthening of the U.S. dollar could make our products less competitive in foreign markets. Our interest income is sensitive to changes in the general level of U.S. interest rates, particularly since the majority of our investments are in short-term instruments. We have no outstanding debt nor do we utilize derivative financial instruments. Therefore, no quantitative tabular disclosures are required.

ITEM 4T. CONTROLS AND PROCEDURES

We carried out an evaluation, under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, of the effectiveness of the design and operation of Qualstar's disclosure controls and procedures as of September 30, 2010, pursuant to Rule 13a-15 under the Securities Exchange Act of 1934. Based upon that evaluation, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures are effective to ensure that information required to be disclosed by us in reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Commission's rules and forms, and to ensure that the information required to be disclosed by us in reports that we file or submit under the Exchange Act is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

We did not make any changes in our internal control over financial reporting during the quarter ended September 30, 2010 of Qualstar's fiscal year ending June 30, 2011, that materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II — OTHER INFORMATION

ITEM 1A. Risk Factors

There have been no significant changes to the risk factors disclosed in our Annual Report on Form 10-K for the fiscal year ended June 30, 2010.

ITEM 6. EXHIBITS

Exhibit

Exhibit Index
Certification of Principal Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
Certification of Principal Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
Certification of Principal Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
Certification of Principal Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

QUALSTAR CORPORATION

Dated: November 12, 2010

By:

/s/ WILLIAM J. GERVAIS William J. Gervais Chief Executive Officer and President (Principal Executive Officer)