

ARI NETWORK SERVICES INC /WI  
Form 10-Q  
March 17, 2017

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-Q

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended January 31, 2017

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 000-19608

ARI Network Services, Inc.

(Exact name of registrant as specified in its charter)

WISCONSIN  
(State or other jurisdiction of incorporation or organization)

39-1388360  
(IRS Employer Identification No.)

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10850 West Park Place, Suite 1200, Milwaukee, Wisconsin 53224

(Address of principal executive offices)

(414) 973-4300

(Registrant's telephone number, including area code)

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      NO

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (S232.405 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      NO

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 the definitions of "large accelerated filer", "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer	Accelerated filer
Non-accelerated filer	Smaller reporting company
(Do not check if a smaller reporting company)	

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

YES      NO

As of March 8, 2017, there were 17,528,259 shares of the registrant's common stock outstanding.

ARI Network Services, Inc.

FORM 10-Q

FOR THE THREE MONTHS ENDED JANUARY 31, 2017

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PART I. FINANCIAL INFORMATION

Item 1. Consolidated Financial Statements

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ARI Network Services, Inc.  
Consolidated Balance Sheets  
(Dollars in Thousands, Except per Share Data)

	(Unaudited) January 31 2017	(Audited) July 31 2016
<b>ASSETS</b>		
Cash and cash equivalents	\$ 4,555	\$ 5,118
Trade receivables, less allowance for doubtful accounts of \$225 and \$211 at January 31, 2017 and July 31, 2016, respectively	2,660	1,942
Work in process	145	132
Prepaid expenses and other	695	781
Deferred income taxes	2,827	3,182
Total current assets	10,882	11,155
Equipment and leasehold improvements:		
Computer equipment and software for internal use	3,648	3,575
Leasehold improvements	724	639
Furniture and equipment	2,643	2,544
Total equipment and leasehold improvements	7,015	6,758
Less accumulated depreciation and amortization	(4,649)	(4,237)
Net equipment and leasehold improvements	2,366	2,521
Capitalized software product costs:		
Amounts capitalized for software product costs	27,801	24,774
Less accumulated amortization	(20,893)	(19,743)
Net capitalized software product costs	6,908	5,031
Deferred income taxes	968	1,112
Other intangible assets	10,225	7,890
Goodwill	28,034	21,634
Total non-current assets	48,501	38,188
Total assets	\$ 59,383	\$ 49,343
<b>LIABILITIES</b>		
Current portion of long-term debt	\$ 2,921	\$ 2,417
Current portion of contingent liabilities	206	331
Accounts payable	1,150	718
Deferred revenue	5,329	6,763
Accrued payroll and related liabilities	2,308	1,817
Accrued sales, use and income taxes	336	297
Other accrued liabilities	1,641	677
Current portion of capital lease obligations	50	50
Total current liabilities	13,941	13,070
Long-term debt	13,319	6,658
Long-term portion of contingent liabilities	1,420	60
Capital lease obligations	39	63
Other long-term liabilities	142	166
Total non-current liabilities	14,920	6,947

Total liabilities	28,861	20,017
<b>SHAREHOLDERS' EQUITY</b>		
Cumulative preferred stock, par value \$.001 per share, 1,000,000 shares authorized; 0 shares issued and outstanding at January 31, 2017 and July 31, 2016, respectively	—	—
Junior preferred stock, par value \$.001 per share, 100,000 shares authorized; 0 shares issued and outstanding at January 31, 2017 and July 31, 2016, respectively	—	—
Common stock, par value \$.001 per share, 25,000,000 shares authorized; 17,526,856 and 17,310,763 shares issued and outstanding at January 31, 2017 and July 31, 2016, respectively	17	17
Additional paid-in capital	115,957	115,364
Accumulated deficit	(85,452)	(86,050)
Other accumulated comprehensive income	—	(5)
Total shareholders' equity	30,522	29,326
Total liabilities and shareholders' equity	\$ 59,383	\$ 49,343

See accompanying notes

ARI Network Services, Inc.  
Consolidated Statements of Operations  
(Dollars in Thousands, Except per Share Data)  
(Unaudited)

	Three months ended January 31		Six months ended January 31	
	2017	2016	2017	2016
Net revenue	\$ 13,244	\$ 11,752	\$ 25,516	\$ 23,489
Cost of revenue	2,603	2,064	4,892	4,133
Gross profit	10,641	9,688	20,624	19,356
Operating expenses:				
Sales and marketing	2,822	2,748	5,509	5,513
Customer operations and support	2,885	2,428	5,640	4,874
Software development and technical support (net of capitalized software product costs)	1,560	1,319	2,816	2,574
General and administrative	1,964	1,730	3,906	3,515
Depreciation and amortization (exclusive of amortization of software product costs included in cost of revenue)	738	590	1,313	1,199
Net operating expenses	9,969	8,815	19,184	17,675
Operating income	672	873	1,440	1,681
Other income (expense):				
Interest expense	(218)	(120)	(326)	(232)
Other, net	1	—	2	(8)
Total other income (expense)	(217)	(120)	(324)	(240)
Income before provision for income tax	455	753	1,116	1,441
Income tax expense	(213)	(305)	(518)	(604)
Net income	\$ 242	\$ 448	\$ 598	\$ 837
Weighted average common shares outstanding:				
Basic	17,468	17,188	17,446	17,170
Diluted	18,002	17,695	17,956	17,655
Net income per common share:				
Basic	\$ 0.01	\$ 0.03	\$ 0.03	\$ 0.05
Diluted	\$ 0.01	\$ 0.03	\$ 0.03	\$ 0.05



See accompanying notes

Consolidated Statements of Comprehensive Income  
(Dollars in Thousands)  
(Unaudited)

	Three months ended		Six months ended	
	January 31		January 31	
	2017	2016	2017	2016
Net income	\$ 242	\$ 448	\$ 598	\$ 837
Other comprehensive income (loss), net of tax:				
Foreign currency translation adjustments	5	1	5	(1)
Total other comprehensive income (loss)	5	1	5	(1)
Comprehensive income	\$ 247	\$ 449	\$ 603	\$ 836

See accompanying notes

ARI Network Services, Inc.

## Consolidated Statements of Cash Flows

(Dollars in Thousands)

(Unaudited)

	Six months ended January 31	
	2017	2016
Operating activities:		
Net income	\$ 598	\$ 837
Adjustments to reconcile net income to net cash provided by operating activities:		
Amortization of software products	1,150	1,040
Amortization of deferred loan fees and imputed interest expense	35	19
Depreciation and other amortization	1,310	1,199
Gain on change in fair value of earn-out receivable and payable	-	8
Provision for bad debt allowance	(6)	78
Deferred income taxes	499	592
Stock based compensation	323	203
Net change in assets and liabilities:		
Trade receivables	171	(166)
Work in process, prepaid expenses and other	113	107
Accounts payable	377	4
Deferred revenue	(1,482)	(1,207)
Accrued payroll and related liabilities	606	144
Accrued taxes and other accrued liabilities	121	93
Net cash provided by operating activities	\$ 3,815	\$ 2,951
Investing activities:		
Purchase of equipment, software and leasehold improvements	(117)	(324)
Cash paid for net assets related to acquisitions	(10,205)	-
Cash paid for contingent liabilities related to acquisitions	(191)	(322)
Software development costs capitalized	(1,087)	(827)
Net cash used in investing activities	\$ (11,600)	\$ (1,473)
Financing activities:		
Payments on long-term debt	\$ (935)	\$ (530)
Borrowings under long-term debt	8,081	-
Payments of capital lease obligations	(24)	(121)
Proceeds from exercise of common stock options and warrants	103	56
Net cash provided by (used in) financing activities	\$ 7,225	\$ (595)
Effect of foreign currency exchange rate changes on cash	(3)	(1)
Net change in cash and cash equivalents	(563)	882
Cash and cash equivalents at beginning of period	5,118	2,284
Cash and cash equivalents at end of period	\$ 4,555	\$ 3,166
Cash paid for interest	\$ 200	\$ 227

Cash paid for income taxes	\$ 63	\$ 43
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See accompanying notes

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ARI Network Services, Inc.

Notes to Consolidated Financial Statements

## 1. Description of the Business and Significant Accounting Policies

### Description of the Business

ARI Network Services, Inc. offers an award-winning suite of Lead Generation and eCommerce Websites, eCatalog Solutions, Business Management Systems and Digital Marketing Services that help dealers, equipment manufacturers and distributors in select vertical markets Sell More Stuff!<sup>TM</sup> – online and in-store. Our innovative products are powered by a proprietary library of enriched electronic product content including OEM parts, aftermarket parts, garments and accessories (PG&A) and whole goods from more than 1,800 manufacturers. Business is complicated, but we believe our customers' technology tools don't have to be. We remove the complexity of selling and servicing new and used whole goods inventory and PG&A. More than 25,000 equipment dealers, distributors and manufacturers worldwide leverage our solutions to Sell More Stuff!<sup>TM</sup>

We go to market under the “ARI Network Services, Inc.” brand name in the powersports, outdoor power equipment (OPE), marine, home medical equipment (HME), recreational vehicles (RV) and appliance industries. We service customers in the automotive dealer (“Auto”), market under the “Auction123, an ARI Company” brand name, the customers in the automotive tire and wheel aftermarket (ATW) under the “TCS Technologies, an ARI Company” brand name; and we service the automotive aftermarket (AA) market under the “DCi, an ARI Company” brand name.

We were incorporated in Wisconsin in 1981. Our principal executive office and headquarters is located in Milwaukee, Wisconsin. The office address is 10850 West Park Place, Suite 1200, Milwaukee, WI 53224, and our telephone number at that location is (414) 973-4300. Our principal website address is [www.arinet.com](http://www.arinet.com). ARI also maintains operations in Cypress, California; Floyds Knobs, Indiana; Des Moines, Iowa; Duluth, Minnesota; Wexford, Pennsylvania; Cookeville, Tennessee; Salt Lake City, Utah; Weston, Florida; Leiden, The Netherlands; and Gurgaon, India.

### Basis of Presentation

These consolidated financial statements include the consolidated financial statements of ARI and its wholly-owned subsidiaries, ARI Europe B.V. and ARI Network Services Pvt. Ltd. and have been prepared in accordance with accounting principles generally accepted in the United States (“GAAP”). We eliminated all significant intercompany balances and transactions in consolidation. All other adjustments that, in the opinion of management, are necessary for a fair presentation of the periods presented have been reflected as required by Regulation S-X, Rule 10-01.

### Fiscal Year

Our fiscal year ends on July 31. References to fiscal 2017, for example, refer to the fiscal year ending July 31, 2017, and references to fiscal 2016 refer to the fiscal year ended July 31, 2016.

### Revenue Recognition

Revenues from subscription fees for use of our software, access to our catalog content, and software maintenance and support fees are all recognized ratably over the contractual term of the arrangement. The Company has customer

contracts with multiple services or elements, which may be delivered at different times. The Company accounts for delivered elements in accordance with the selling price when arrangements include multiple product components or other elements and vendor-specific objective evidence exists for the value of all undelivered elements. Revenue on undelivered elements is recognized when the elements are delivered. ARI considers all arrangements with payment terms extending beyond 12 months not to be fixed or determinable and evaluates other arrangements with payment terms longer than normal to determine whether the arrangement is fixed or determinable. If the fee is not fixed or determinable, revenue is recognized as payments become due from the customer. Arrangements that include acceptance terms beyond the standard terms are not recognized until acceptance has occurred. If collectability is not considered probable, revenue is recognized when the fee is collected.

For software license arrangements that do not require significant modification or customization of the underlying software, the Company recognizes revenue when persuasive evidence of an arrangement exists, delivery has occurred, the fee is fixed or determinable and collectability is probable.

Revenues for professional services to customize complex features and functionality in a product's base software code or develop complex interfaces within a customer's environment are recognized as the services are performed if they are determined to have standalone value to the customer or if all of the following conditions are met (i) the customer has a contractual right to take possession of the software; (ii) the customer will not incur significant penalty if it exercises this right; and (iii) it is feasible for the customer to either run the software on its own hardware or contract with another unrelated party to host the software. When the current estimates of total contract revenue for professional services and the total related costs indicate a loss, a provision for the entire loss on the contract is made in the period the amount is determined. Professional service revenues for set-up and integration of hosted websites, or other services considered essential to the functionality of other elements of the arrangement, are amortized over the term of the contract.

Revenue for variable transaction fees, primarily for use of the shopping cart feature of our websites, is recognized as it is earned.

Amounts received for shipping and handling fees are reflected in revenue. Costs incurred for shipping and handling are reported in cost of revenue.

Amounts invoiced to customers prior to recognition as revenue, as discussed above, are reflected in the accompanying balance sheets as deferred revenue.

No single customer accounted for 10% or more of ARI's revenue during the three or six months ended January 31, 2017 or 2016.

#### Trade Receivables, Credit Policy and Allowance for Doubtful Accounts

Trade receivables are uncollateralized customer obligations due on normal trade terms, most of which require payment within thirty (30) days from the invoice date. Payments of trade receivables are allocated to the specific invoices identified on the customer's remittance advice or, if unspecified, are applied to the earliest unpaid invoices.

The carrying amount of trade receivables is reduced by an allowance that reflects management's best estimate of the amounts that will not be collected. Management individually reviews receivable balances that exceed ninety (90) days from the invoice date and, based on an assessment of current creditworthiness, estimates the portion of the balance that will not be collected. The allowance for potential doubtful accounts is reflected as an offset to trade receivables in the accompanying consolidated balance sheets.

#### Capitalized and Purchased Software Product Costs

Certain software development and acquisition costs are capitalized when incurred. Capitalization of these costs begins upon the establishment of technological feasibility. The establishment of technological feasibility and the on-going assessment of recoverability of software costs require considerable judgment by management with respect to certain external factors, including, but not limited to, the determination of technological feasibility, anticipated future gross revenue, estimated economic life and changes in software and hardware technologies. The Company capitalizes software enhancements on an on-going basis and all other software development and support expenditures are charged to expense in the period incurred.

The annual amortization of software products is computed using the straight-line method over the estimated economic life of the product, which currently ranges from 2 to 14 years. Amortization starts when the product is available for general release to customers.

Deferred Loan Fees and Debt Discounts

Fees associated with securing debt are capitalized and shown as contra-debt, reducing the carrying amount of long-term debt on the consolidated balance sheet. Deferred loan fees and debt discounts are amortized to interest expense over the life of the debt using the effective interest method.

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## Deferred Income Taxes

The tax effect of the temporary differences between the book and tax bases of assets and liabilities and the estimated tax benefit from tax net operating losses is reported as deferred tax assets and liabilities in the consolidated balance sheets. An assessment of the likelihood that net deferred tax assets will be realized from future taxable income is performed at each reporting date or when events or changes in circumstances indicate that there may be a change in the valuation allowance. Because the ultimate realizability of deferred tax assets is highly subject to the outcome of future events, the amount established as a valuation allowance is considered to be a significant estimate that is subject to change. To the extent a valuation allowance is established or there is a change in the allowance during a period, the change is reflected with a corresponding increase or decrease in income tax expense in the consolidated statements of operations.

## Legal Provisions

ARI may periodically be involved in legal proceedings arising from contracts, patents or other matters in the normal course of business. We reserve for any material estimated losses if the outcome is probable and reasonably estimable, in accordance with GAAP. We had no legal provisions during the three or six months ended January 31, 2017 or 2016 and management believes that the results of any outstanding litigation will not have a material impact on the Company's financial condition or results of operations.

## Supplemental Cash Flow Information

The following table shows cash flow information related to non-cash investing and financing activities (in thousands):

	Six months ended January 31	
	2017	2016
Non-cash investing and financing activities		
Issuance of common stock related to payment of contingent liabilities	\$ -	\$ 60
Cashless exercise of common stock warrants	-	46
Current assets acquired in connection with acquisitions	-	36
Accrued liabilities assumed in connection with acquisitions	-	58
Hold back and working capital adjustment incurred in connection with acquisition	858	-
Contingent liabilities incurred in connection with acquisition	1,410	(62)

## 2. Basic and Diluted Net Income per Common Share

Basic net income per common share is computed by dividing net income by the basic weighted average number of common shares outstanding during the period. Diluted net income per common share is computed by dividing net income by the weighted average number of common shares outstanding during the period and reflects the potential dilution that could occur if all of ARI's outstanding stock options and warrants that are in the money were exercised



(calculated using the treasury stock method).

The following table is a reconciliation of basic and diluted net income per common share (in thousands, except per share data):

	Three months ended		Six months ended	
	January 31		January 31	
	2017	2016	2017	2016
Net income	\$ 242	\$ 448	\$ 598	\$ 837
Weighted-average common shares outstanding	17,468	17,188	17,446	17,170
Effect of dilutive stock options and warrants	534	507	510	485
Diluted weighted-average common shares outstanding	18,002	17,695	17,956	17,655
Net income per share				
Basic	\$ 0.01	\$ 0.03	\$ 0.03	\$ 0.05
Diluted	\$ 0.01	\$ 0.03	\$ 0.03	\$ 0.05
Options and warrants that could potentially dilute net income per share in the future that are not included in the computation of diluted net income per share, as their impact is anti-dilutive	-	-	-	-

### 3. Debt

#### Silicon Valley Bank

On April 26, 2013, the Company entered into a Loan and Security Agreement (the “Agreement”) with Silicon Valley Bank (“SVB”), pursuant to which SVB extended to the Company credit facilities consisting of a \$3,000,000 revolving credit facility with a maturity date of April 26, 2015 and a \$4,500,000 term loan with a maturity date of April 26, 2018.

On September 30, 2014, in connection with the Company’s acquisition of Tire Company Solutions, LLC (“TCS”), the Company entered into the First Loan Modification Agreement (the “Modification Agreement”) with SVB, which contained substantial amendments to the terms of the Agreement. The Modification Agreement included credit facilities consisting of a \$3,000,000 revolving credit facility with a maturity date of November 30, 2016 and a \$6,050,000 term loan with a maturity date of September 30, 2019.

On November 1, 2016, in connection with the Company’s acquisition of Auction 123, Inc. (“Auction 123”), the Company entered into the Second Loan Modification Agreement with SVB. The Second Modification Agreement includes credit facilities consisting of \$3,000,000 revolving credit facility with a maturity date of September 30, 2018 and a \$13,000,000 term loan with a maturity date of November 1, 2021. This term loan is an amendment to the existing \$6,050,000 term loan with a maturity date of September 30, 2019.

The term loan and any loans made under the SVB revolving credit facility accrue interest at a per annum rate equal to the Prime Rate plus the Applicable Margin for Prime Rate Loans set forth in the chart below based on the Total Leverage Ratio, as defined in the Modification Agreement. The Company had \$0 outstanding on the revolving credit facility and the effective interest rate was 4.75% at January 31, 2017, based upon a prime rate of 3.75%.

Total Leverage Ratio	Applicable Margin for Prime Rate Loans
$\geq 2.50$ to 1.0:	1.50 %
$> 1.75$ to 1.00 but $< 2.50$ to 1.00:	1.00 %
$\leq 1.75$ to 1.00:	0.50 %

Principal in respect of any loans made under the revolving facility is required to be paid in its entirety on or before September 30, 2018. Principal in respect of the term loan is required to be paid in quarterly installments on the first day of each fiscal quarter of the Company as follows: \$325,000 commenced on February 1, 2017 through November

1, 2018; \$487,500 commencing on February 1, 2019 through November 1, 2019; and \$650,000 commencing on February 1, 2020 through August 1, 2021. All remaining principal in respect of the term loan is due and payable on November 1, 2021. The Company is permitted to prepay all of, but not less than all of, the outstanding principal amount of the term loan upon certain notice to SVB and, in certain circumstances, the payment of a prepayment penalty of up to \$260,000. Following July 31, 2018, the Second Modification agreement requires the Company to make additional payments in the amount of 50% of excess cash flow until the Company's Total Leverage Ratio is less than 2.00 to 1.00 and 25% of excess cash flow until the Company's Total Leverage Ratio is less than 1.25 to 1.00.

The Second Modification Agreement contains covenants that restrict, among other things and subject to certain conditions, the ability of the Company to permit a change of control, incur debt, create liens on its assets, make certain investments, enter into merger or acquisition transactions and make distributions to its shareholders. Financial covenants include the maintenance of a minimum Total Leverage Ratio equal to or less than 3.00 to 1.00 through the period ending December 31, 2017 and 2.50 to 1.00 thereafter, and the maintenance of a Fixed Charge Coverage Ratio (as defined in the Agreement) equal to or greater than 1.25 to 1.00. The Agreement also contains customary events of default that, if triggered, could result in an acceleration of the Company's obligations under the Agreement. The loans are secured by a first priority security interest in substantially all assets of the Company.

#### TCS Promissory Notes

In connection with the acquisition of TCS, on September 30, 2014, the Company issued two promissory notes (the "TCS Notes") in the aggregate principal amount of \$3,000,000 to the former owners of TCS. In February 2015, the principal amount of the TCS Notes was reduced by approximately \$67,000 as a result of post-closing adjustments to the valuation of the net assets acquired, pursuant to the terms of the asset purchase agreement. The TCS Notes initially accrue interest on the outstanding unpaid principal balance at a rate per annum equal to 5.0%; however, if any amount payable under a TCS Note is not paid when due, such overdue amount will bear interest at the default rate of 7.5% from the date of such non-payment until such amount is paid in full. Accrued interest on the TCS Notes is due and payable quarterly until September 30, 2018, at which time all accrued interest and outstanding principal balance will be due and payable in full. The first four payments due and payable under the TCS Notes were interest-only payments, and payments of principal and interest commenced on December 29, 2015. The payments are subject to acceleration upon certain Events of Default, as defined in the TCS Notes.

## DCi Promissory Note

In connection with the acquisition of Direct Communications Inc. (“DCi”), on July 13, 2015, the Company issued a promissory note (the “DCi Note”) in the aggregate principal amount of \$2,000,000 to the former owners of DCi. The principal amount of the DCi Note was reduced by approximately \$64,000 as a result of post-closing adjustments to the estimated valuation of the net assets acquired, pursuant to the terms of the asset purchase agreement. The DCi Note initially accrues interest on the outstanding unpaid principal balance at a rate per annum equal to 4.0%. Accrued interest on the DCi Note is due and payable quarterly until July 13, 2019, at which time all accrued interest and outstanding principal balance will be due and payable in full. The first four payments due and payable under the DCi Note were interest only payments, and payments of principal and interest commenced on October 13, 2016. The payments are subject to acceleration upon certain Events of Default, as defined in the DCi Note.

The Company did not trigger any Events of Default and was in compliance with its debt covenants as of January 31, 2017. The following table sets forth certain information related to the Company’s long-term debt as of January 31, 2017 and July 31, 2016 (in thousands):

	January 31 2017	July 31 2016
Notes payable principal	\$ 16,393	\$ 9,168
Less debt issuance costs	(153)	(93)
Less current maturities	(2,921)	(2,417)
Notes payable - non-current	\$ 13,319	\$ 6,658

Minimum principal payments due on the SVB Term Note, the TCS Notes and the DCi Note as of January 31, 2017 were as follows for the fiscal years ending (in thousands):

Fiscal year ending July 31:	SVB Term Note	TCS Notes	DCi Notes	Total Notes Payable
2017	\$ 650	\$ 488	\$ 313	\$ 1,451
2018	1,300	1,014	645	2,959
2019	1,625	262	671	2,558
2020	2,275	—	—	2,275
2021	2,600	—	—	2,600
2022	4,550	—	—	4,550
	\$ 13,000	\$ 1,764	\$ 1,629	\$ 16,393

#### 4. Contingent Liabilities

Consideration for the November 1, 2016 acquisition of Auction 123 included a contingent earn-out purchase price. The earn-out is contingent upon the attainment of revenue goals related to specific customers, which is measured on the two subsequent anniversaries and paid in quarterly installments. The fair value of the earn-out was originally estimated at \$1,410,000 and has a maximum payout of \$1,500,000.

Consideration for the September 2014 TCS acquisition included a contingent earn-out purchase price, originally contingent upon the attainment of specific revenue goals. The fair value of the earn-out was originally estimated at \$711,000. The first quarterly payment of \$120,905 commenced on December 31, 2015. On March 7, 2016, the TCS Asset Purchase Agreement was amended in relation to the contingent earn-out, whereas, the Company made the remaining three quarterly payments of \$120,905, followed by four quarterly payments of \$70,000, which commenced on December 31, 2016.

The following table shows changes in the earn-out payable related to the TCS and Auction acquisitions (in thousands):

	Six months ended	
	January 31	
	2017	2016
Beginning balance	\$ 391	\$ 1,116
Additions	1,410	-
Adjustments	-	(62)
Payments	(191)	(382)
Imputed interest recognized	16	14
Gain on change in fair value of earn-out	-	8
Ending balance	\$ 1,626	\$ 694
Less current portion	\$ (206)	\$ (470)
Ending balance, long-term	\$ 1,420	\$ 224

The following table shows the remaining estimated payments of contingent liabilities related to the TCS and Auction 123 acquisitions at January 31, 2017, (in thousands) for the fiscal years ending July 31:

2017	\$ 140
2018	633
2019	750
2020	188
Total estimated payments	1,711
Less imputed interest	(85)
Present value of contingent liabilities	\$ 1,626

## 5. Other Intangible Assets

Amortizable intangible assets include customer relationships and other intangibles including trade names and non-compete agreements. Amortizable intangible assets are composed of the following at January 31, 2017 and 2016 (in thousands):

	Six months ended January 31, 2016			Wtd. avg.
Customer relationships	Cost Basis	Accumulated Amortization	Net Value	remaining life
Beginning balance	\$ 11,947	\$ (4,418)	\$ 7,529	
Activity	(220)	(565)	(785)	
Ending balance	\$ 11,727	\$ (4,983)	\$ 6,744	12.13

Other intangibles

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Beginning balance	\$ 3,203	\$ (616)	\$ 2,587	
Activity	(467)	(204)	(671)	
Ending balance	\$ 2,736	\$ (820)	\$ 1,916	8.92

Total intangibles				
Beginning balance	\$ 15,150	\$ (5,034)	\$ 10,116	
Activity	(687)	(769)	(1,456)	
Ending balance	\$ 14,463	\$ (5,803)	\$ 8,660	11.42

	Six months ended January 31, 2017			Wtd. avg.
	Cost	Accumulated	Net	remaining
Customer relationships	Basis	Amortization	Value	life
Beginning balance	\$ 11,727	\$ (5,558)	\$ 6,169	
Activity	2,540	(376)	2,164	
Ending balance	\$ 14,267	\$ (5,934)	\$ 8,333	11.92

Other intangibles				
Beginning balance	\$ 2,739	\$ (1,018)	\$ 1,721	
Activity	690	(519)	171	
Ending balance	\$ 3,429	\$ (1,537)	\$ 1,892	9.93

Total intangibles				
Beginning balance	\$ 14,466	\$ (6,576)	\$ 7,890	
Activity	3,230	(895)	2,335	
Ending balance	\$ 17,696	\$ (7,471)	\$ 10,225	11.55

## 6. Stock-based Compensation Plans

The Company uses the Black-Scholes model to value stock options granted. Volatility is calculated as management's estimate of future volatility over the expected term of the option based on historical volatility of the Company's stock. The expected life of options granted represents the period of time that options granted are expected to be outstanding.

The risk-free rate for periods within the contractual term of the options is based on the United States Treasury yields in effect at the time of grant.



Stock options granted to employees under the Company's stock option plan typically vest 25% on the first anniversary of the grant and 25% on the one-year anniversary of each of the three following years. Stock options granted to non-employee directors under the Company's stock option plan typically vest 50% on the first anniversary of the grant and 50% on the next one-year anniversary. The Company recognizes stock option expense over the vesting period for each vesting tranche.

As recognizing stock-based compensation expense is based on awards ultimately expected to vest, the amount of recognized expense has been reduced for estimated forfeitures based on the Company's historical experience. The Company recognized stock option compensation expense of \$2,000 and \$40,000 during the six months ended January 31, 2017, and 2016, respectively. There was approximately \$15,000 and \$82,000 of total unrecognized compensation costs related to non-vested options granted under the Company's stock option plans as of January 31, 2017 and 2016, respectively. Total unrecognized compensation cost will be adjusted for any future changes in estimated and actual forfeitures. There were no capitalized stock-based compensation costs during the periods presented.

The following table shows the weighted average assumptions used to estimate the fair value of options granted:

	Six months ended January 31, 2017
Expected life (years)	n/a
Risk-free interest rate	n/a
Expected volatility	n/a
Expected forfeiture rate	11.1 %
Expected dividend yield	-
Weighted-average estimated fair value per share of options granted during the year	n/a
Cash received from the exercise of stock options	\$ 46,000

#### 2000 Stock Option Plan

The Company's 2000 Stock Option Plan (the "2000 Plan") had 1,950,000 shares of common stock authorized for issuance. Each incentive stock option that was granted under the 2000 Plan is exercisable for a period of not more than ten years from the date of grant (five years in the case of a participant who is a 10% shareholder of the Company, unless the stock options are nonqualified), or such shorter period as determined by the Compensation Committee, and shall lapse upon the expiration of said period, or earlier upon termination of the participant's employment with the Company. The 2000 Plan expired on December 13, 2010, at which time it was terminated except for outstanding options. While options previously granted under the 2000 Plan will continue to be effective through the remainder of their terms or until exercised, no new options may be granted under the 2000 Plan.

Changes in option shares under the 2000 Plan during the six months ended January 31, 2017 were as follows:

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	Number of Options	Wtd. Avg. Exercise Price	Wtd. Avg. Remaining Contractual Period (Years)	Aggregate Intrinsic Value
Outstanding at 7/31/2016	384,750	\$ 1.46	1.89	\$ 1,408,027
Granted	-	n/a	n/a	n/a
Exercised	(9,250)	1.88	n/a	n/a
Forfeited	(125)	1.94	n/a	n/a
Outstanding at 1/31/2017	375,375	\$ 1.45	1.42	\$ 1,445,209
Exercisable at 1/31/2017	375,375	\$ 1.45	1.42	\$ 1,445,209

The range of exercise prices for options outstanding under the 2000 Plan was \$0.49 to \$1.85 at January 31, 2017.

#### 2010 Equity Incentive Plan

The Board of Directors adopted the ARI Network Services, Inc. 2010 Equity Incentive Plan (as amended, the “2010 Plan”) on November 9, 2010. The plan was approved by the Company's shareholders in December 2010, and amendments to the 2010 Plan were approved by the Company’s shareholders in January 2014 and January 2017. The 2010 Plan is the successor to the Company’s 2000 Plan. There are 3,050,000 shares of Company common stock authorized for issuance under the 2010 Plan. Potential awards under the 2010 Plan include incentive stock options and non-statutory stock options, shares of restricted stock or restricted stock units, stock appreciation rights (“SARs), and shares of common stock. Up to 2,725,000 of the shares authorized for issuance under the 2010 Plan may be used for common stock, restricted stock or restricted stock unit awards.

The exercise price for options and SARs under the 2010 Plan cannot be less than 100% of the fair market value of the Company's common stock on the date of grant, and the exercise prices for options and SARs cannot be repriced without shareholder approval, except to reflect changes to the capital structure of the Company as described in the 2010 Plan. The maximum term of options and SARs under the 2010 Plan is 10 years. The 2010 Plan does not have liberal share counting provisions (such as provisions that would permit shares withheld for payment of taxes or the exercise price of stock options to be re-granted under the plan).

Changes in option shares under the 2010 Plan during the six months ended January 31, 2017 were as follows:

	Number of Options	Wtd. Avg. Exercise Price	Wtd. Avg. Remaining Contractual Period (Years)	Aggregate Intrinsic Value
Outstanding at 7/31/2016	357,626	\$ 2.52	6.95	\$ 930,816
Granted	-	n/a	n/a	n/a
Exercised	(13,750)	2.88	n/a	n/a
Forfeited	(13,750)	3.31	n/a	n/a
Outstanding at 1/31/2017	330,126	\$ 2.47	6.36	\$ 934,613
Exercisable at 1/31/2017	281,376	\$ 2.33	6.23	\$ 836,526

The range of exercise prices for options outstanding under the 2010 Plan was \$0.59 to \$3.54 at January 31, 2017.

Changes in the 2010 Plan's non-vested option shares included in the outstanding shares above during the six months ended January 31, 2017 were as follows:

	Number of Options	Wtd. Avg. Exercise Price
Non-vested at 7/31/2016	70,000	\$ 3.29
Granted	-	n/a
Vested	(7,500)	3.26
Forfeited	(13,750)	3.31
Non-vested at 1/31/2017	48,750	\$ 3.29

The weighted average remaining vesting period was 0.74 years at January 31, 2017.

### Employee Stock Purchase Plan

The Company's 2000 Employee Stock Purchase Plan, as amended, ("ESPP") has 575,000 shares of common stock reserved for issuance, of which 338,689 and 300,280 of the shares have been issued as of January 31, 2017 and 2016, respectively. All employees with at least six months of service are eligible to participate. Shares may be purchased at the end of a specified period at the lower of 85% of the market value at the beginning or end of the specified period through accumulation of payroll deductions, not to exceed 5,000 shares per employee per year. The Company expensed \$43,000 and \$14,000 during the six months ended January 31, 2017, and 2016 related to the ESPP discount.

### Restricted Stock

The Company grants restricted stock to its directors as an annual retainer, and from time to time to directors, officers or employees as incentive compensation or as discretionary compensation in place of cash.

The Compensation Committee adopted the Long-Term Executive Bonus Plan ("LTEB") for eligible executive officers of the Company beginning in fiscal 2013. In March 2015, the Compensation Committee issued 550,000 shares of restricted stock under the LTEB, which will vest according to the following schedule:

- 30% when the volume weighted average price of the Company's common stock for the previous 30-day trading period (the "30-day VWAP") equals or exceeds \$6.00
- 20% when the 30-day VWAP equals or exceeds \$7.00
- 20% when the 30-day VWAP equals or exceeds \$8.00
- 30% when the 30-day VWAP equals or exceeds \$9.00

Under the plan described above, a target price must be reached within a four-year period starting on the date of grant for any restricted stock to vest. All unvested restricted stock will be forfeited when the four-year period expires. The initial value of the common stock granted under the LTEB was approximately \$350,000, valued using a Monte Carlo Simulation with a 46% volatility rate and a 1.34% risk-free interest rate, and is expensed over the vesting period.

Restricted stock granted under the 2010 plan during fiscal 2017 was valued using the market price on the date of grant. The Company recognized compensation expense of \$278,000 and \$148,000 during the six months ended January 31, 2017 and 2016, respectively, related to all restricted stock. The remaining balance of unrecognized compensation expense related to restricted stock was \$751,000 and \$550,000 at January 31, 2017 and 2016, respectively.

Changes in unvested restricted shares of common stock under the 2010 Plan during the six months ended January 31, 2017 and 2016 were as follows:

	Six months ended	
	January 31	
	2017	2016
Beginning balance unvested restricted stock	657,912	671,211
Granted	131,222	39,859
Vested	(51,745)	(33,060)
Forfeited	(5,871)	(5,504)
Ending balance unvested restricted stock	731,518	672,506

## 7. Income Taxes

The provision for income taxes for the three and six months ended January 31, 2017 and 2016 is composed of the following (in thousands):

Three months		Six months	
ended January		ended January	
31		31	
2017	2016	2017	2016

## Current:

Federal	\$ —	\$ —	\$ —	\$ —
State	7	(4)	(18)	(10)
Deferred, net	(220)	(301)	(500)	(594)
Income tax expense	\$ (213)	\$ (305)	\$ (518)	\$ (604)

The provision for income taxes is based on taxes payable under currently enacted tax laws and an analysis of temporary differences between the book and tax basis of the Company's assets and liabilities, including various accruals, allowances, depreciation and amortization, and does not represent current taxes due. The tax effect of these temporary differences and the estimated benefit from tax net operating losses are reported as deferred tax assets and liabilities in the consolidated balance sheets. We have unused net operating loss carry forwards ("NOLs") for federal income tax purposes, and as a result, we generally only incur alternative minimum taxes at the federal level that are currently payable. We have unused NOLs for state income tax purposes of \$8,357,000, most of which have a valuation allowance.

The Company also has NOLs related to tax losses incurred by its Netherlands operation. Under tax laws in the Netherlands, NOLs are able to be carried forward for a period of nine years. The Company has determined that, consistent with prior periods, it is not likely that the net operating losses will be utilized by the Company. This conclusion was primarily based on the negative evidence of a history of losses and expired NOLs related to this entity. In the opinion of the management of the Company, there is not enough positive evidence to overcome this negative evidence. Therefore, a full valuation allowance of \$460,000 and \$542,000 is recorded, resulting in \$0 net deferred tax assets related to the Netherlands operation at January 31, 2017 and 2016.

The Company also has an NOL related to tax losses incurred by its India operation, which began operations in the second quarter of fiscal 2016. Under tax laws in India, NOLs are able to be carried forward for a period of eight years. The Company has determined that it is not likely that the net operating loss will be utilized by the Company primarily based on the start-up nature of this operation. Therefore, a full valuation allowance of \$61,000 was recorded, resulting in \$0 net deferred tax assets related to the India operation at January 31, 2017.

As of January 31, 2017, the Company had accumulated NOLs for federal, state and international tax purposes of approximately \$1,717,000, \$8,357,000 and \$2,008,000, respectively.

We perform an evaluation of uncertain tax positions as a component of income tax expense on an annual basis. We determined that ARI did not have any significant risk related to income tax expense and therefore no amounts were reserved for uncertain tax positions as of January 31, 2017 or 2016. We will accrue and recognize interest and penalties related to uncertain tax positions as a component of income tax expense if it becomes necessary. Fiscal years subsequent to 2012 remain open and subject to examination by state tax jurisdictions and the United States federal tax authorities.

## 8. Business Combinations

### Acquisition of Auction 123, Inc.

On November 1, 2016, the Company acquired substantially all of the assets of Auction 123, Inc., a leading provider of software and services to help dealers in selected vertical markets manage and feed inventory information to online marketplaces to drive more sales and leads. Auction 123 serves several vertical markets including automotive dealers, powersports, recreational vehicles and marine. Consideration for the acquisition (the "Company Purchase Price") included, (i) a cash payment equal to \$10,250,000; (ii) a \$250,000 cash hold-back, subject to post-closing adjustments based upon the net assets acquired pursuant to the terms of the asset purchase agreement; and (iii) a contingent earn-out purchase price payable in two installments and contingent upon the attainment of specific revenue goals related to a specific customer. The earn-out has a maximum payout of \$1,500,000. The hold-back was increased by post-closing adjustments of approximately \$608,000 based on the net asset value on the closing balance sheet being above or below the targeted amount.

Founded in 2001, Auction 123 has been a leader in online marketing solutions, inventory management and website development solutions for dealers in selected vertical markets. Their award-winning web-based software offers tight and seamless integration between the dealer management system (DMS), the dealer's website, eBay Motors, Craigslist, Facebook and other third-party classified websites. The acquisition eliminated elements of ARI's cost of revenue from a third party vendor and introduced ARI into the automotive dealer market. The acquisition is also expected to accelerate ARI's opportunity to drive organic growth through the cross selling of new products. The combined customer benefits and operational efficiencies are expected to result in a stronger organization that can create more value for our customers, shareholders and employees.

The acquisition was funded from cash on hand, an increase in our SVB Term Loan and a contingent earn-out. The following tables show the preliminary allocation of the purchase price (in thousands):

	Preliminary Purchase Price
Cash	\$ 2,090
Bank note	8,160
Holdback payment	858
Contingent earn-out	1,410
Purchase price	\$ 12,518

	Preliminary Purchase Price Allocation
Cash	\$ 45
Trade receivables	883
Work in process	48
Prepaid expense and other	17
Assumed liabilities	(188)
Furniture and equipment	143
Software product costs	1,940
Intangible assets	3,230
Goodwill	6,400
Purchase price allocation	\$ 12,518



Estimated intangible assets include the fair value of tradenames and customer relationships. Estimated goodwill represents the additional benefits provided to the Company by the acquisition of Auction 123 through operational synergies. The Company cannot determine revenue and expenses specifically related to the Auction 123 operation since the date of acquisition, as we have begun integration of the businesses. The Company acquired approximately \$6,600,000 of tax deductible goodwill, inclusive of over \$200,000 of acquisition closing costs, related to the Auction 123 acquisition.

The final purchase price, as well as the purchase price allocation, is subject to the completion of the final valuation of the net assets acquired and contingent earn-out. The final valuation is expected to be completed as soon as is practicable but no later than November 1, 2017 and could have a material impact on the preliminary purchase price allocation disclosed above.

The following preliminary unaudited pro forma combined financial information presents the Company's results as if the Company had acquired Auction 123 on August 1, 2015. The unaudited pro forma information has been prepared with the following considerations:

- i. The unaudited pro forma condensed consolidated financial information has been prepared using the acquisition method of accounting under existing GAAP. The Company is the acquirer for accounting purposes.
- ii. The pro forma combined financial information does not reflect any operating cost synergy savings that the combined company may achieve as a result of the acquisition, the costs necessary to achieve these operating synergy savings or additional charges necessary as a result of the acquisition.

The unaudited pro forma financial information presented is for information purposes only and does not purport to represent what the Company's and Auction 123's financial position or results of operations would have been had the acquisition in fact occurred on such date or at the beginning of the period indicated, nor does it project the Company's and Auction 123's financial position or results of operation for any future date or period.

	Three months ended January 31		Six months ended January 31	
	2017	2016	2017	2016
Revenue	\$ 13,244	\$ 12,876	\$ 26,698	\$ 25,742
Net income	\$ 242	\$ 480	\$ 780	\$ 870

Net income  
per common  
share:

Basic	\$ 0.01	\$ 0.03	\$ 0.04	\$ 0.05
Diluted	\$ 0.01	\$ 0.03	\$ 0.04	\$ 0.05

Pro forma adjustments to net income include amortization costs related to the acquired intangible assets, acquisition-related professional fees, interest expense on the debt incurred to acquire the assets of Auction 123, and the tax effect of the historical Auction 123 results of operations and the pro forma adjustments at an estimated tax rate of 40% as follows:

	Three months ended January 31		Six months ended January 31	
	2017	2016	2017	2016
Amortization of intangible assets	-	228	194	456
Acquisition-related professional fees	-	-	(121)	-
Interest expense	-	82	82	164
Income tax benefit (expense)	-	21	121	22
Total adjustments	-	331	276	642

## Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion of our results of operations and financial condition should be read together with our unaudited consolidated financial statements for the three and six months ended January 31, 2017 and 2016, including the notes thereto, which appear elsewhere in this quarterly report on Form 10-Q. All amounts are in thousands, except per share data. This discussion, including, without limitation, the section titled "Summary of Operating Results", contains forward-looking statements regarding future events and our future results that are subject to the safe harbors created under the Securities Act of 1933 (the "Securities Act") and the Securities Exchange Act of 1934 (the "Exchange Act"). All statements other than statements of historical facts are statements that could be deemed to be forward-looking statements. These statements are based on current expectations, estimates, forecasts, and projections about the markets in which we operate and the beliefs and assumptions of our management. Words such as "expects," "anticipates," "targets," "goals," "projects," "intends," "plans," "believes," "seeks," "estimates," "endeavors," "strives," "may," such words, and similar expressions are intended to identify such forward-looking statements. In addition, any statements that refer to projections of our future financial performance, our anticipated growth and trends in our businesses, and other characterizations of future events or circumstances are forward-looking statements. Readers are cautioned that these forward-looking statements are only predictions and are subject to risks, uncertainties, and assumptions that are difficult to predict, estimate, or verify, including those identified in Part I, Item 1A of our annual report on Form 10-K for the year ended July 31, 2016, and elsewhere herein. Therefore, actual results may differ materially and adversely from those expressed in any forward-looking statements. We undertake no obligation to revise or update any forward-looking statements for any reason.

### Overview

ARI Network Services, Inc. offers an award-winning suite of Lead Generation and eCommerce Websites, eCatalog Solutions, Business Management Systems and Digital Marketing Services that help dealers, equipment manufacturers and distributors in select vertical markets Sell More Stuff!™ – online and in-store. Our innovative products are powered by a proprietary library of enriched electronic product content including OEM parts, aftermarket parts, garments and accessories (PG&A) and whole goods from more than 1,800 manufacturers. Business is complicated, but we believe our customers' technology tools don't have to be. We remove the complexity of selling and servicing new and used whole goods inventory and PG&A. More than 25,000 equipment dealers, distributors and manufacturers worldwide leverage our solutions to Sell More Stuff!™

We go to market under the "ARI Network Services, Inc." brand name in the powersports, outdoor power equipment (OPE), marine, home medical equipment (HME), recreational vehicles (RV) and appliance industries. We service customers in the automotive dealer ("Auto"), market under the "Auction123, an ARI Company" brand name, the customers in the automotive tire and wheel aftermarket (ATW) under the "TCS Technologies, an ARI Company" brand name; and we service the automotive aftermarket (AA) market under the "DCi, an ARI Company" brand name.

### Our Solutions

Our primary solutions include: (i) Lead Generation and eCommerce Websites, giving dealers and wholesalers an online presence optimized for today's digital path to purchase and serving as a platform to drive in-bound lead generation and eCommerce sales; (ii) eCatalogs, offering access to our proprietary library of enriched electronic product content via a suite of SaaS and DaaS solutions to enable the sale of whole goods inventory and PG&A; (iii) Business Management Software designed to streamline every aspect of a dealer's operation, drive profitability and allow them to provide better customer service; and (iv) Digital Marketing Services designed to generate leads and drive traffic both to the dealer's website and brick-and-mortar location.

Our solutions also improve our dealers' overall customer satisfaction through a highly efficient and accurate data lookup experience at the parts counter and a quicker response time to online inquiries, both of which serve to significantly improve a customer's overall experience with the dealer.

Our solutions are sold through our internal sales force and are composed primarily of recurring licenses and subscriptions and, in the case of business management software, perpetual licenses and maintenance contracts. Customers typically sign annual, auto-renewing contracts. Today, more than 90% of our revenues are recurring.

#### Lead Generation and eCommerce Websites

Our online solutions are tailored to each of the vertical markets we serve and are tightly integrated with our proprietary library of enriched electronic product content for major unit inventory and PG&A. Our website platform development teams continually innovate our platforms to keep up with the ever-evolving demands of our customers, online shoppers and search engines to ensure

we can provide dealers with websites that perform well in search and convert online visits into leads, eCommerce sales and in-store visits. We offer a full menu of website add-ons, including a mobile inventory management application, third-party inventory integrations and business management integrations. Our lead generation tools are designed to efficiently manage and nurture leads through email campaigns, automated responses, sales team reminders and other lead generating activities, increasing conversion rates and ultimately revenues for our customers.

Lead Generation and eCommerce Websites are sold through our internal sales teams, which are aligned by vertical market. The sales process typically includes a live demo of the site and may include a free trial period (we refer to these as “test drives”). We typically charge monthly recurring subscription fees, and may charge a one-time set up fee to develop a new dealer website, as well as variable transaction fees. Our website solutions are typically sold under one-year, renewable contracts with monthly payment terms. We host and maintain more than 8,000 websites for dealers across all of our vertical markets.

#### eCatalog Platform Solutions

Our eCatalog solutions offer access to our proprietary library of enriched electronic product content via a suite of SaaS and DaaS solutions including dealer-facing manufacturer parts lookup portals and parts counter solutions; consumer-facing online parts lookup; and DaaS subscription access to our content library all designed to enable the sale of whole goods inventory and PG&A. Our eCatalog solutions are sold through our dedicated internal sales team. Fees charged for the use of our eCatalog products include a recurring license fee, subscription fees for subscribed catalogs and, in some cases, page view fees.

#### Business Management Software

Our business management software solutions are designed to streamline every aspect of a dealer’s operations to allow them to provide improved customer service. These products are sold through our dedicated internal sales team, and fees charged include perpetual one-time license or installation fees, maintenance and support fees, as well as hosting fees for our SaaS version. These solutions are currently only offered in the ATW aftermarket under the “TCS Technologies, an ARI Company” brand name.

#### Digital Marketing Services

ARI complements our suite of data-driven SaaS and DaaS solutions with digital marketing services that deliver the engaging experiences that today’s consumers expect, as well as meet the demands of leading search engines like Google. ARI’s Digital Marketing Services include search engine optimization, email marketing, search engine

marketing (PPC), online reputation management and online directory management to help dealers drive more online leads, eCommerce sales and in-store traffic. Digital marketing services are sold through our dedicated internal sales team.

### Other Solutions

We also offer a suite of complementary solutions, which include software, website customization, professional services and hosting services.

### Our Growth Strategy

ARI's goal is to become the leading provider of SaaS and DaaS solutions and complementary services that help our customers efficiently and effectively sell more major units, replacement parts, accessories and service – in other words, Sell More Stuff!™ Our continued goal is to grow revenues at a double-digit rate and to grow earnings through scalability. We intend to accomplish this goal by delivering our solutions to dealers, distributors, manufacturers, service providers and consumers in selected vertical markets where the finished goods are complex equipment requiring service and which are primarily sold and serviced through an independent dealer channel which typically carries multiple brands. We believe this strategy will drive increased value to our shareholders, employees and customers.

We also believe that the execution of the following strategic pillars will enable us to achieve the growth and profitability needed to drive long-term sustainable value for our shareholders:

- Drive organic growth through expanded service offerings to grow both our subscriber customer base and our average revenue per dealer;
- Differentiate our content;
- Enter new markets;
- Expand geographically;

- Nurture and retain existing customers through world-class customer service and value-added product feature updates;
- Lead the market with open integration to related platforms; and
- Successfully execute acquisitions that align with our core strategy.

These strategic foundations are primarily centered on enhancing the value proposition to our customers, which will lead to additional revenues through pricing actions, product and feature upsells, reduced customer churn rates, and expansion by leveraging our core competencies in new complementary markets. Each of these strategic pillars is a long-term foundation for the Company's growth; within each we have established near-term goals, as discussed below.

Drive organic growth through expanded service offerings to grow both our subscriber customer base and our average revenue per dealer.

As a subscription-based, recurring revenue (RR) business, the most important drivers of future growth are nurturing and defending our customer base; developing and selling additional products to our existing customer base; and acquiring new customers. We define RR as revenue from products and services which are subscription-based and renewable, including software access fees, data content fees, maintenance fees, support fees and hosting fees. We define churn as the percentage of RR that does not renew. RR increased 12.5%, or \$1,342,000 to 91.4% of total revenue for the quarter ended January 31, 2017, compared to the same period last year, and increased 9.9%, or \$2,130,000 to 92.5% of total revenue for the six months ended January 31, 2017, compared to the same period last year. To experience further growth in RR, we will continue to develop and deploy innovative new solutions. We have resources assigned to each of our core products that continue to research and develop new value-added features and functionality for our existing products. The introduction of new solutions, upgrades to existing products, and new feature sets are all designed to grow our subscriber base of dealers and our average revenue per dealer (ARPD), an important measure for a subscription-based business. We have recently developed a number of new features, upgrades and products, including the following:

#### Lead Generation and eCommerce Website Platforms

- ARI Responsive Website Platform Development – In the first quarter of fiscal 2017, we launched our next generation Responsive Design website platform, completing the first phase including advanced design capabilities, lead generation capabilities, and scalable website production tooling, among other market leading capabilities. We've continued expanding the capabilities of our Responsive website platform with recent development focused on automated integrations with multiple leading CRM solutions, as well as continued expansion of lead generation forms and website build tooling. These updates help our customers drive more leads and effectively convert them to sales.
- Tire and Wheel Website Platform Development – We designed and developed a new experience for mobile users accessing promotions and services pages on the mobile view of our dealer websites. This new mobile view is aimed to increase conversions and better rank in the search engine results. We also released a new connection to a third party content tool to better expose details, videos and ratings for their products.
- DCi eStore Service – We developed an enhanced API to integrate our rich automotive product content into e-commerce website platforms, opening up new sales channels and value creation for our content.

## eCatalog Platforms

- Data Manager RT™ Development – We completed development in the first quarter of fiscal 2017 and released to market our next generation of Data Manager™, our OEM parts product information management software. This next-generation platform provides OEMs with reduced publishing costs and time to market through real-time publishing, ensuring end users have access to the most accurate and rich part and service content across ARI's software ecosystem. We continued expanding the capabilities of Data Manager RT, with a focus on enhanced user experience workflows, international localization, and expanded publishing connectivity with our PartSmart product. These enhancements expand the addressable market of the product and unique value proposition, increasing forward-looking sales opportunities.

## Business Management Software

- Tire Power – We have added a new Partner Connection through our Hub to Goodyear Wholesale. Increasing our partner connections with distributors through our hub has served as a unique value proposition to our customers. We have also added SMS messaging to Tire Power with the ability to send and receive text messages from the software. Now our customers can efficiently and effectively communicate with their clients to increase their workflow and document conversations. To broaden the ability of our customers to retain their clients, we have also integrated MCCR (My Car Care Rewards) into Tire Power, giving the ability to sign clients to a loyalty rewards program from within the software. We have also increased our partnership with CarFax to include and integraton with myCARFAX. This integration allows



the user to see reported vehicle maintenance completed, aiding the ability to sell more stuff through factory service maintenance suggestions.

- TireWorks HD – To increase our sales opportunities in California, we have completed the integration of CA BAR and MAP requirements. This opens up our expansion to the west coast for all of our enterprise opportunities. We have completed an agreement and have developed a new digital inspection tool, TCS Inspect. This can be used on any Android or IOS device, with complete customization and integrations into the software. Now our customers will be able to efficiently communicate service and tire needs with their clients, increasing their overall average ticket revenue. With a more intense focus on QA, we have recognized and developed Factory Service Maintenance improvements as well as overall speed improvements in the software. In our Wholesale application, we have completed our integration with Quick Books. This will increase our opportunity and expand our sales strategy to smaller wholesale distributors.

#### Digital Marketing Services

- Extended Digital Marketing Services Packages Available – We developed and launched extended Digital Advertising and Email Marketing packages, providing our customers with additional curated service packages that meet the demands of their unique business.

These product and service enhancements are designed to automate and enhance the marketing, sales and servicing activities for our customers in order to help them sell and service more parts, garments, accessories and whole goods.

#### Differentiate our content.

We believe we have the largest library of replacement part, major unit, and PG&A content in the vertical markets we serve. However, simply offering the largest content library in the markets we serve is not sufficient to drive the long-term revenue growth we desire. We strive to deliver more value to our customers through the enrichment of our content and during the quarter have made the following enhancements:

- OEM Parts Content Addition and Expansion – We’ve secured and authored product content for three prominent manufacturer brands in the Outdoor Power and Portable Generator markets.

Enter new markets.

ARI currently maintains a significant share in our core vertical markets of OPE, powersports, marine, RV and appliances. Accordingly, we anticipate low single-digit growth in these markets. ARI maintains a lower share in our growth vertical markets of HME, ATW and AAPS. Accordingly, we are targeting double-digit growth in these markets. As we continue to increase our share in our current markets, leveraging our technology in new and underserved markets will be important to attaining high single digit to low double digit organic growth rates. ARI currently has more than 3,000 dealer websites in the ATW market. We estimate that the total addressable market includes approximately 18,000 dealers. Further, the broader AAPS market, which we entered via our acquisition of DCi, comprises nearly 80,000 independent service providers, more than all of our other markets combined. We intend to continue to invest heavily in this growth market, including seeking opportunities to leverage our products and services in the broader AAPS. We are one of the first website providers to service the HME market. We estimate that this market comprises nearly 25,000 service providers and believe the market to be in the early stages of eCommerce adoption.

Expand geographically.

Although we maintain relationships with dealers throughout the world, we have low penetration into international markets. Growing our international business will require us to secure and publish electronic content from manufacturers outside the U.S. and make changes to our existing product suite that will allow us to rapidly deploy these products in a scalable and efficient manner without the need to have “boots on the ground” in those countries. In

September 2016, we hired a general manager in the Netherlands intent of expanding our European presence.

Nurture and retain existing customers through world-class customer service and value-added product feature updates.

In order to achieve sustained high single-digit or low double-digit organic growth, we not only need to execute the growth strategies described above, we must also retain our existing customers. In a SaaS business, the cost to retain an existing customer is much less than the cost to acquire a new customer. Accordingly, customer churn is an important metric we track and manage. We experienced improvements in our churn rates the past several years as a result of strategic actions taken by the Company, all of which are designed to enhance the “stickiness” of our product within our customers’ operations. In fiscal 2017, we experienced a decrease in customer churn from 15.50% for the twelve months ended January 31, 2016 to 13.65% for the twelve months ended January 31, 2017. We will continue to leverage our relationships with existing customers and closely monitor and manage the level of customer churn.

Lead the market with open integration to related platforms.

One of our strategic advantages is our focus on integrating our solutions with dealer business management systems (DMS) to pass key information, including customer and transactional data, between our solutions and the DMS, saving our customers valuable time and eliminating redundant data entry. We currently have integration capabilities with over 90 DMS (we refer to these relationships as “Compass Partners”), and we continue to seek other strategic alliances that can be integrated with our product and service offerings.

Successfully execute acquisitions that align with our core strategy.

Since 1995, we have had a formal corporate development program aimed at identifying, evaluating and closing acquisitions that align with our strategy. We focus on vertically-oriented markets with a large base of independent, multi-line dealers that sell and service complex equipment. Our strategy is to acquire companies that allow us to do one or more of the following: (i) expand our market share in existing verticals; (ii) expand into new markets that fit our desired profile; (iii) provide us with complementary products which can be cross-sold to our existing customer base; (iv) provide opportunities to cross-sell our existing products; and (v) can be integrated into our operations, thereby creating cost-saving synergies.

From the program’s inception through January 31, 2017, we have closed 17 acquisitions. A summary of some of our most recent acquisitions is as follows:

Acquisition	Date	Strategy
Auction 123, Inc.	November 2016	Expand our position in the automotive industry, cross-sell existing products
Direct Communications Inc.	July 2015	A leading provider of electronic catalog and content in the AAPS industry
TASCO Corporation (and affiliated Signal Extraprise Corporation)	April 2015	Extend business management software platform in the ATW market
Tire Company Solutions, LLC	September 2014	Consolidate website position and add new business management software in the ATW market
DUO Web Solutions	November 2013	A leading provider of social media and online digital marketing services in the

50 Below Sales & Marketing, Inc. (Retail Division)	November 2012	powersports industry A market leader in the powersports industry Entrance into ATW and DME industries New award-winning website platform
Ready2Ride, Inc.	August 2012	First of its kind aftermarket fitment data for the powersports industry

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On November 1, 2016, the Company acquired substantially all of the assets of Auction 123, Inc. (“Auction 123”), a leading provider of software and services to help dealers in selected vertical markets manage and feed inventory information to online marketplaces to drive more sales and leads. Auction 123 serves several vertical markets including automotive dealers, powersports, recreational vehicles and marine. Consideration for the acquisition (the "Company Purchase Price") included, (i) a cash payment equal to \$10,250,000; (ii) a \$250,000 cash hold-back, subject to adjustment; and (iii) a contingent earn-out purchase price payable in two installments and contingent upon the attainment of specific revenue goals related to a specific customer. The earn-out has a maximum payout of \$1,500,000. The hold-back was increased by a post-closing adjustment of approximately \$608,000 based on the net asset value on the closing balance sheet being above or below the targeted amount.

Founded in 2001, Auction 123 has been a leader in online marketing solutions, inventory management and website development solutions for dealers in selected vertical markets. Their award-winning web-based software offers tight and seamless integration between the dealer management system (DMS), the dealer’s website, eBay Motors, Craigslist, Facebook and other third-party classified websites. The acquisition eliminated elements of ARI’s cost of revenue from a third party vendor and introduced ARI into the automotive dealer market. The acquisition is also expected to accelerate ARI’s opportunity to drive organic growth through the cross selling of new products. The combined customer benefits and operational efficiencies are expected to result in a stronger organization that can create more value for our customers, shareholders and employees. The Company’s strategy is to integrate the sales teams from acquisitions as quickly as possible in order to realize cross-selling synergies. As a result, we do not track revenues and costs specific to the individual acquired businesses.

### Summary of Operating Results

Total revenue increased 12.7%, or \$1,492,000, for the three months ended January 31, 2017 to \$13,244,000, compared to \$11,752,000 for the same period last year. Year-to-date revenue increased 8.6% or \$2,027,000 to \$25,516,000, compared to

\$23,489,000 for the same period last year. Recurring revenue increased 12.5% to \$12,111,000 during the three months ended January 31, 2017 and 9.9% to \$23,609,000 during the six months ended January 31, 2017, compared to \$10,769,000 and \$21,479,000, respectively, during the same periods last year. The growth in year-over-year total revenue was attributable to incremental revenue from the Auction 123 business acquired in November 2016, as well as organic growth in revenue from ARI's historical products, primarily in digital marketing services and lead generation and eCommerce solutions.

Operating income decreased 23.0%, or \$201,000, from \$873,000 for the three months ended January 31, 2016 to \$672,000 for the same period this year and decreased 14.3% or \$241,000 from \$1,681,000 for the six months ended January 31, 2016 to \$1,440,000 for the same period this year. Net operating expenses increased 13.1% or \$1,154,000 and 8.5% or \$1,509,000 during the three and six month periods ended January 31, 2017, respectively, compared to the same periods last year. The increases were primarily due to the additional costs of the Auction 123 operations and non-recurring professional fees related to a proxy contest.

Net income was \$242,000, or \$0.01 per share, for the three months ended January 31, 2017, compared to \$448,000, or \$0.03 per share, for the same period last year. Net income for the six months ended January 31, 2017 was \$598,000, or \$0.03 per share, compared to a net income of \$837,000, or \$0.05 per share, for the same period last year.

Net cash provided by operations increased 29.3% to \$3,815,000 for the six months ended January 31, 2017 compared to \$2,951,000 for the same period last year, primarily as a result of revenue growth, operational efficiencies and the cash flow generated by Auction 123.

## Revenue

The following table summarizes our product revenue and RR and non-recurring revenue (in thousands):

	Three months ended January 31					Six months ended January 31				
	2017	% of Total	2016	% of Total	% Change	2017	% of Total	2016	% of Total	% Change
Lead Generation and eCommerce										
Websites	\$ 7,235	54.6 %	\$ 5,876	50.0 %	23.1 %	\$ 13,503	52%	\$11,744	50%	15%
eCatalog Services	4,362	32.9 %	4,446	37.8 %	(1.9) %	8,792	34%	8,961	38%	(1.9)%

Business Management Software	669	5.1	%	866	7.4	%	(22.7)%	1,344	5.3%	1,675	7.1%	(19%)
Digital Marketing Solutions	696	5.3	%	382	3.3	%	82.2	1,404	5.5%	737	3.1%	90%
Other Revenue	282	2.1	%	182	1.5	%	54.9	473	1.8%	372	1.6%	27%
Total revenue	\$ 13,244	100.0	%	\$ 11,752	100.0	%	12.7	\$ 25,516	100%	\$23,489	99%	8.6%
Recurring revenue	12,111	91.4	%	10,769	91.6	%	12.5	23,609	92%	21,479	91%	9.9%
Non-recurring revenue	1,133	8.6	%	983	8.4	%	15.3	1,907	7.5%	2,010	8.6%	(5.9%)
Total revenue	\$ 13,244	100.0	%	\$ 11,752	100.0	%	12.7	\$ 25,516	100%	\$23,489	100%	8.6%

Total revenue increased 12.7% to \$13,244,000 and 8.6% to \$25,516,000, for the three and six months ended January 31, 2017, respectively, compared to the same periods last year. RR increased 12.5% to \$12,111,000 and 9.9% to \$23,609,000 for the three and six months ended January 31, 2017, respectively, compared to the same periods last year. RR represented 92.5% of total revenue for the first six months of fiscal 2017, versus 91.4% for the same period in fiscal 2016. We continue to focus on maintaining recurring revenue of over 90%.

#### Lead Generation and eCommerce Website Revenue

Our lead generation and eCommerce website solutions generate revenue from one-time setup and customization fees to develop new dealer websites, which is recognized ratably over the term of the contract, monthly recurring subscription fees and variable transaction fees. Our lead generation and eCommerce website solutions are typically sold as one year, renewable contracts with monthly payment terms. We estimate that we currently host and maintain more than 8,000 websites for dealers in all of our vertical markets. Lead generation and eCommerce website solutions have become ARI's largest source of revenue and accounted for 52.9% of total revenue during the six months ended January 31, 2017. Lead generation and eCommerce revenue increased 23.1% or \$1,359,000 and 15.0% or \$1,759,000 for the three and six months ended January 31, 2017, respectively, compared to the same periods last year. The increase in revenue is due to revenue generated by the Auction 123 services, as well as organic growth. We anticipate that our web platforms will continue to be one of the Company's largest sources of revenue growth.

### eCatalog Revenue

Our eCatalog solutions generate revenue from renewable subscription fees for our software, data content, software maintenance and support fees and software customization fees. eCatalog is our second largest source of revenue, representing 34.5% of total revenue during the six months ended January 31, 2017. eCatalog revenue decreased 1.9% or \$84,000 and 1.9% or \$169,000 during the three and six months ended January 31, 2017, respectively, compared to the same periods last year. The decrease in catalog revenue was primarily due to a decrease in non-recurring transaction fees as we transition this fee into the recurring subscription fees. The catalog content provided in our eCatalog solutions helps to drive sales growth in our website and lead management solutions, as well as continuing to drive organic growth in other areas of the business. Management expects eCatalog RR to increase at a low organic growth rate as the Company already has strong market share with this product.

### Business Management Software Revenue

Business management software revenue is generated from perpetual one-time license and installation fees for the software, along with recurring maintenance, support and hosting fees for our SaaS version. Revenue from business management software represented 5.3% of total revenue for the six months ended January 31, 2017. Business management software revenue decreased 22.7% or \$197,000 and 19.8% or \$331,000 for the three and six months ended January 31, 2017, respectively, compared to the same periods last year. The decrease in business management software revenue was primarily due to a decline in non-recurring perpetual license and professional service fees. Management expects fluctuations in non-recurring business management software revenue due to the timing of sales and professional service contracts.

### Digital Marketing Revenue

Revenues from our Digital Marketing Solutions are generated from set-up fees and subscription fees for our lead generation tools through search engine optimization, social media marketing and website enhancements. We derived 5.5% of our revenues from Digital Marketing Services for the six months ended January 31, 2017. Digital marketing revenue increased 82.2% or \$314,000 and 90.5% or \$667,000 for the three and six months ended January 31, 2017, respectively, compared to the same periods last year, primarily due to organic growth in RR. Management expects digital marketing revenue to continue to see high double digit growth in fiscal 2017 as this service offering is a relatively new offering and is complementary to our other products, allowing us to expand within our current markets and current customers.

### Other Revenue

We also offer a suite of complementary solutions, which include software, professional services and hosting services. Other revenue, which is primarily non-recurring in nature, represented approximately 1.8% of total revenue for the six months ended January 31, 2017, and was relatively consistent with the same quarter last year. Revenue from non-recurring professional services will fluctuate from period to period based on the timing of custom projects, which the Company has intentionally de-emphasized these projects as it focuses more on RR.

#### Recurring Revenue

RR is one of the most important growth drivers of our business and represented 92.5% of total revenue for the six months ended January 31, 2017. Increasing the percentage of our revenues that are recurring, while at the same time reducing the rate of customer churn, enhances our ability to generate profitable growth. Our subscription-based SaaS and DaaS products generate higher margins than our non-recurring products and services, and the incremental cost of selling these products to new dealers (we refer to these as new “logos”) is relatively low. Reducing the rate of our customer churn, which is the percentage of RR that does not renew, helps drive organic growth as it allows for a greater percentage of our new logos to be incremental to the top line (versus making up for lost logos) and also increases the base upon which we can apply price increases and sell additional products and features.

We generate RR from each of our primary product categories from monthly license, subscription, maintenance and support fees. RR increased 12.5% or \$1,342,000 and 9.9% or \$2,130,000 during the three and six months ended January 31, 2017, respectively, compared to the same periods last year, primarily due to RR generated from the Auction 123 acquisition and organic growth in our Lead Generation and eCommerce Website and Digital Marketing solutions. We expect Lead Generation and eCommerce Website RR to continue to be our largest contributor to RR growth in fiscal 2017.

#### Non-recurring Revenue

Non-recurring revenue is generated from one-time perpetual license fees from our business management offerings, certain offerings within the Company’s digital marketing services, professional services related to software customization and data conversion, usage



fees charged on our RR products, set-up fees and other complementary products and services. Total non-recurring revenue increased 15.3% or \$150,000 during the three months ended January 31, 2017, compared to the same period last year, primarily due to non-recurring revenues from the Auction 123 acquisition. Total non-recurring revenue decreased 5.1% or \$103,000 during the six months ended January 31, 2017, compared to the same period last year, primarily due to decreased professional services and perpetual license revenue, offset in part by revenue from the Auction 123 acquisition. Our goal is to maintain non-recurring revenue of less than 10% of total revenue, as the margins on this revenue tends to be lower than our RR products. Furthermore, non-recurring revenue must be resold each year.

### Cost of Revenue and Gross Margin

We classify as cost of revenue those costs directly attributable to the provision of services. These costs include (i) software amortization, which represents the periodic amortization of costs for internally developed or purchased software sold to customers; (ii) direct labor for the provision of catalog production, product implementations and professional services revenue; and (iii) other direct costs, which represent amounts paid to third-party vendors for data royalties, as well as data conversion and replication fees directly attributable to the services we provide our customers.

The table below breaks out cost of revenue into each of these three categories (in thousands):

	Three months ended January 31			Six months ended January 31						
	2017	% of Revenue	2016	% of Revenue	Change %	2017	% of Revenue	2016	% of Revenue	Change %
Net revenues	\$ 13,244		\$ 11,752		12.7 %	\$ 25,516		\$ 23,489		8.6 %
Cost of revenues:										
Amortization of capitalized software costs	628	4.7 %	544	4.6 %	15.4 %	1,150	4.5 %	1,040	4.4 %	10.6 %
Direct labor	783	5.9 %	626	5.3 %	25.1 %	1,568	6.1 %	1,268	5.4 %	23.7 %
Other direct costs	1,192	9.0 %	894	7.6 %	33.3 %	2,174	8.5 %	1,825	7.8 %	19.1 %
Total cost of revenues	2,603	19.7 %	2,064	17.6 %	26.1 %	4,892	19.2 %	4,133	17.6 %	18.4 %
Gross profit	\$ 10,641	80.3 %	\$ 9,688	82.4 %	9.8 %	\$ 20,624	80.8 %	\$ 19,356	82.4 %	6.6 %

Gross profit was \$10,641,000 or 80.3% of revenue and \$20,624,000 or 80.8% of revenue for the three and six months ended January 31, 2017, respectively, compared to \$9,688,000 or 82.4% of revenue and \$19,356,000 or 82.4% of revenue for the same periods last year. Amortization of capitalized software costs as a percentage of revenue increased slightly from 4.6% and 4.4% for the three and six months ended January 31, 2016, respectively, to 4.7% and 4.5% for the same periods this year primarily due to the additional amortization of the acquired Auction 123 software. Direct labor costs increased 25.1% and 23.7% for the three and six months ended January 31, 2017, respectively, compared to the same periods last year primarily due to: (i) an increase in our digital marketing revenue, which has higher direct costs than our other products; (ii) an increase in website implementations; and (iii) the migration of customer websites in an effort to transition customers to our new ARI responsive platform, consolidate our customers to the product most suited to their industry and consolidate our website platforms. Other direct costs as a percentage of revenue increased from 7.6% and 7.8% for the three and six months ended January 31, 2016, respectively, to 9.0% and 8.5% for the same periods this year, primarily due to increased third party costs associated with our digital marketing and Auction 123 offerings. The Company expects fluctuations in gross margin from quarter to quarter and year over year based on the mix of products sold.

## Operating Expenses

We categorize net operating expenses as follows:

- Sales and marketing expenses consist primarily of personnel and related costs, including commissions for our sales and marketing employees and the cost of marketing programs and trade show attendance.
- Customer operations and support expenses are composed of our computer hosting operations, software maintenance agreements for our core network and personnel and related costs for operations and support employees.
- Software development and technical support expenses are composed primarily of personnel and related costs; we capitalize certain of these costs in accordance with GAAP, which is discussed below, while the remaining costs are primarily related to technical support and research and development.
- General and administrative expenses primarily consist of personnel and related costs for executive, finance, human resources and administrative personnel, legal and other professional fees and other corporate expenses and overhead.

- Depreciation and amortization expenses consist of depreciation on fixed assets, which are composed of leasehold improvements and information technology assets, and the amortization of acquisition-related intangible assets. Costs associated with the amortization of software products are a component of cost of revenue.
- We allocate certain shared costs among the various net operating expense classifications. Allocated costs include facilities, insurance, internal software and telecommunications. These costs are generally allocated based on headcount, unless circumstances dictate otherwise. All public company costs, including legal and accounting fees, investor relations costs, board fees and directors' and officers' liability insurance, remain in general and administrative.

The following table summarizes our operating expenses by expense category (in thousands):

	Three months ended January 31					Six months ended January 31				
	2017	% of Revenue	2016	% of Revenue	% Change	2017	% of Revenue	2016	% of Revenue	% Change
Sales and marketing	\$ 2,822	21.3 %	\$ 2,748	23.4 %	2.7 %	\$ 5,509	21.6 %	\$ 5,513	23.5 %	(0.1) %
Customer operations and support	2,885	21.8 %	2,428	20.7 %	18.8 %	5,640	22.1 %	4,874	20.8 %	15.7 %
Software development and technical support	1,560	11.8 %	1,319	11.2 %	18.3 %	2,816	11.1 %	2,574	11.0 %	9.4 %
General and administrative	1,964	14.8 %	1,730	14.7 %	13.5 %	3,906	15.3 %	3,515	15.0 %	11.1 %
Depreciation and amortization (1)	738	5.6 %	590	5.0 %	25.1 %	1,313	5.1 %	1,199	5.1 %	9.5 %
Net operating expenses	\$ 9,969	75.3 %	\$ 8,815	75.0 %	13.1 %	\$ 19,184	75.2 %	\$ 17,675	75.2 %	8.5 %

(1) Exclusive of amortization of software products of \$628, \$544, \$1,150 and \$1,040 for the three and six months ended January 31, 2017 and 2016, respectively, which are included in cost of revenue.

Net operating expenses increased 13.1%, or \$1,154,000 and 8.5% or \$1,509,000, for the three and six months ended January 31, 2017, respectively, compared to the same periods last year. The increase in net operating expenses was due to several factors, including: (i) operating costs for the new India operation; (ii) operating costs for the Auction 123 acquisition which includes the costs associated with amortization of acquired software and intangible assets associated with the acquisition; (iii) operating costs to support our growth in revenue; (iv) acquisition costs for the

Auction 123 acquisition; and (v) professional fees related to a proxy contest. Net operating expenses as a percentage of revenue remained consistent at 75.2% for the six months ended January 31, 2017, compared to the same period last year. Management expects net operating expenses to decline as a percentage of total revenue to the extent the Company continues to leverage growth in its core RR products, as incremental costs related to these products decrease for every dollar of new revenue.

#### Sales and Marketing

Sales and marketing expense increased 2.7%, or \$74,000, during the three months ended January 31, 2017, and decreased \$4,000 for the six months ended January 31, 2017 compared to the same periods last year. The increase for the quarter was primarily due to sales and marketing expense incurred by the Auction 123 acquisition. Sales and marketing expense as a percentage of revenue decreased from 23.5% of revenue for the six months ended January 31, 2016 to 21.6% for the same period in fiscal 2017. This decrease is due to the growth in our RR base, which requires much less resources to renew. Management expects sales and marketing expense as a percentage of revenue to be flat or down as RR continues to grow.

#### Customer Operations and Support

Customer operations and support expense increased 18.8% or \$457,000 and 15.7% or \$766,000, during the three and six months ended January 31, 2017, respectively, compared to the same periods last year, primarily due to the expenses associated with the Auction 123 and India operations, as well as an increase in information technology and customer support costs to support the increase in sales. Customer operations and support expense as a percentage of revenue increased from 20.8% of revenue for the six months ended January 31, 2016 to 22.1% during the same period this year. The customer operations and support functions of an acquired business typically take longer to fully integrate due to merging software platforms, help desks and customer hosting systems in order to operate more efficiently. Management expects customer operations and support expenses to decline as a percentage of revenue over time, to the extent we continue to integrate these areas into our operations and we supplement labor capacity in our India office, while RR continues to grow.

## Software Development and Technical Support

Our software development and technical support staff have three essential responsibilities for which the accounting treatment varies depending upon the work performed: (i) costs associated with internal software development efforts (after technological feasibility is established) are capitalized as software product costs and amortized over the estimated useful lives of the product; (ii) costs for professional services performed for customers related to software customization projects are classified as cost of revenue; and (iii) all other activities, including research and development, are considered operating expenses and included within the software development and technical support operating expense category.

Software development and technical support costs increased 18.3% or \$241,000 and 9.4% or \$242,000 during the three and six months ended January 31, 2017 and 2016, respectively, primarily due to the development costs of the Auction 123 acquisition. During the three and six months ended January 31, 2017, we capitalized \$404,000 and \$855,000 of software development labor, overhead and interest expense, respectively, versus \$300,000 and \$558,000 during the same periods last year. The increase was a result of two significant product initiatives that were escalated in the first quarter of fiscal 2017. In addition to internal capitalized software costs, we had outsourced development costs of \$73,000 and \$232,000 during the three and six months ended January 31, 2017, respectively, and \$154,000 and \$269,000 during the same periods last year. We devoted much of these resources to a major upgrade of our website and e-Catalog publishing products during both fiscal 2016 and 2017. In the second quarter of fiscal 2017, we replaced this outsourced development labor with software development resources from our India office at a reduced cost.

We expect fluctuations in the percentage of software development and technical support costs classified as operating expenses from period-to-period, based on the mix of research and prototype work versus capitalized software development and professional services activities.

## General and Administrative

General and administrative expense increased 13.5%, or \$234,000 and 11.1% or \$391,000 during the three and six months ended January 31, 2017, respectively, compared to the same periods last year, primarily due to professional services related to the Auction 123 acquisition and our proxy contest, as well as operating costs from the Auction 123 acquisition. General and administrative expense as a percentage of revenue increased from 14.7% and 15.0% of revenue for the three and six months ended January 31, 2016 to 14.8% and 15.3% for the same periods in fiscal 2017. Management expects general and administrative expense as a percentage of revenue to decrease over time as we continue to scale the business, although additional acquisitions or other transactions could result in elevated general and administrative expense in future periods.

## Other Income and Expense

The table below summarizes the components of other income and expenses (in thousands):

	Three months ended			Six months ended January 31		
	January 31 2017	2016	% Change	2017	2016	% Change
Interest expense	\$ (218)	\$ (120)	81.7 %	\$ (326)	\$ (232)	40.5 %
Other, net	1	—	(100.0)%	2	(8)	(125.0)%
Total other income (expense)	\$ (217)	\$ (120)	80.8 %	\$ (324)	\$ (240)	35.0 %

Interest expense is composed of both interest paid on the Company's debt financing arrangements and amortization of non-cash interest charges related to deferred finance costs and imputed interest on contingent liabilities. Interest and other expense increased 80.8%, or \$97,000 and 35.0% or \$84,000 during the three and six months ended January 31, 2017, respectively, compared to the same periods last year, primarily due to additional bank debt and contingent liabilities associated with the Auction 123 acquisition.

#### Income Taxes

The Company has net deferred tax assets of \$3,795,000 as of January 31, 2017, primarily consisting of net operating loss carryforwards ("NOLs") and book to tax temporary differences. Income tax expense is provided for at the applicable statutory tax rate applied to current U.S. income before taxes, plus or minus any adjustments to the deferred tax assets and to the estimated valuation allowance against deferred tax assets. Income tax expense, if any, does not represent a significant current cash obligation, as we continue to have NOLs to offset substantially all of the taxable income.

We had income tax expense of \$213,000 and \$518,000 during the three and six months ended January 31, 2017, respectively, compared to \$305,000 and \$604,000 during the same periods last year. We paid income taxes of \$63,000 and \$43,000 during the six

months ended January 31, 2017 and 2016, respectively, primarily related to statutory alternative minimum taxes. Income tax expense may vary from period to period as we continue to evaluate the valuation allowance against net deferred tax assets.

We also have NOLs related to tax losses incurred by our India and Netherlands operations. We have determined that, consistent with prior periods, it is not likely that the net operating losses will be utilized and therefore, a full valuation allowance is recorded, resulting in \$0 net deferred tax assets related to our international operations at January 31, 2017 and 2016.

### Adjusted EBITDA

EBITDA is calculated as net income adjusted to exclude interest, amortization, depreciation and income tax expense. Adjusted EBITDA further eliminates non-cash, stock-based compensation expense. Management believes Adjusted EBITDA is helpful in understanding period-over-period operating results separate and apart from non-operating expenses and expenses pertaining to prior period investing activities, particularly given the Company's significant investments in capitalized software and its continuing efforts in completing acquisitions, which typically result in significant non-cash depreciation and amortization expense in subsequent periods. However, Adjusted EBITDA has significant limitations as an analytical tool and should only be used cautiously in addition to, and never as a substitute for, operating income, cash flows or other measures of financial performance prepared in accordance with generally accepted accounting principles and may not necessarily be comparable to similarly titled measures of other companies.

The table below presents the reconciliation of net income to EBITDA and Adjusted EBITDA (in thousands):

	Three months ended January 31		Six months ended January 31		Twelve months ended January 31	
	2017	2016	2017	2016	2017	2016
Net income	\$ 242	\$ 448	\$ 598	\$ 837	\$ 1,504	\$ 1,544
Interest expense	218	120	326	232	554	468
Stock-based compensation expense	174	88	323	203	547	439
Amortization included in cost of sales	628	544	1,150	1,040	2,218	1,961
Depreciation and amortization	738	590	1,313	1,199	2,521	2,175
Loss on debt extinguishment	-	-	-	-	-	-

Loss on FMV of Warrant Derivatives	-	-	-	-	-	-
Loss on impairment of long-lived assets	-	-	-	-	-	-
Income tax expense	213	305	518	604	1,265	1,052
Adjusted EBITDA	\$ 2,213	\$ 2,095	\$ 4,228	\$ 4,115	\$ 8,609	\$ 7,639
Revenue	\$ 13,244	\$ 11,752	\$ 25,516	\$ 23,489	\$ 49,720	\$ 44,681
Adjusted EBITDA as a % of revenue	16.7 %	17.8 %	16.6 %	17.5 %	17.3 %	17.1 %

Adjusted EBITDA increased during the three, six and twelve months ended January 31, 2017, compared to the same periods last year. Adjusted EBITDA as a percentage of revenue decreased from 17.5% during the six months ended January 31, 2016, to 16.6% during the same period this year. Management expects Adjusted EBITDA to increase in fiscal 2017, compared to the prior year, to the extent earnings increase as a result of RR growth.

#### Liquidity and Capital Resources

The following table sets forth certain cash flow information derived from our unaudited financial statements (in thousands):

	Six months ended January 31		
	2017	2016	Change
Net cash provided by operating activities	\$ 3,815	\$ 2,951	\$ 864
Net cash used in investing activities	(11,600)	(1,473)	(10,127)
Net cash provided by (used in) financing activities	7,225	(595)	7,820
Effect of foreign currency exchange rate changes on cash	(3)	(1)	(2)
Net change in cash	\$ (563)	\$ 882	\$ (1,445)
Cash at end of period	\$ 4,555	\$ 3,166	\$ 1,389

We utilized \$563,000 of net cash during the six months ended January 31, 2017, compared to cash generation of \$882,000 during the same period last year. We generated net cash from operating activities of \$3,815,000 during the six months ended January 31, 2017, compared to 2,951,000 during the same period last year, an increase of 29.3% or \$864,000.



Cash used in investing activities increased \$10,127,000 for the six months ended January 31, 2017, compared to the same period last year, primarily due to the acquisition of Auction 123. We paid cash of \$191,000 for contingent liabilities related to our acquisitions, capitalized \$1,087,000 of software development costs, and acquired technology equipment of \$117,000 during the six months ended January 31, 2017. We paid cash of \$322,000 for contingent liabilities, capitalized \$827,000 of software development costs, and acquired technology equipment of \$324,000 during the six months ended January 31, 2016. We will continue to invest cash in the business to further our growth strategies previously discussed.

Net cash provided by financing activities was \$7,225,000 during the six months ended January 31, 2017, primarily due to \$8.1 million of additional debt obligations under the SVB note in order to finance the Auction 123 acquisition. Net cash used in financing activities was \$595,000 during the six months ended January 31, 2016, primarily to pay down the SVB note and capital lease obligations.

Management believes that current cash balances and its ability to generate cash from operations are sufficient to fund our needs over the next twelve months, although additional financing may be necessary if the Company were to complete a material acquisition or to make a large investment in its business.

#### Debt

The Company has a Loan and Security Agreement (the “Agreement”) with Silicon Valley Bank (“SVB”), pursuant to which SVB extended to the Company credit facilities consisting of a \$3,000,000 revolving credit facility with a maturity date of September 30, 2018 and a \$13,000,000 term loan with a maturity date of November 1, 2021. In addition to this, the Company has issued several promissory notes in connection with its acquisitions. See Note 3 to the consolidated financial statements for further details. The following table summarizes the minimum principal payments due on the SVB Term Note, the TCS Notes and the DCi Note as of January 31, 2017 (in thousands):

Fiscal year ending July 31:	SVB	TCS Notes	DCi Notes	Total Notes Payable
	Term Note			
2017	\$ 650	\$ 488	\$ 313	\$ 1,451
2018	1,300	1,014	645	2,959
2019	1,625	262	671	2,558
2020	2,275	—	—	2,275
2021	2,600	—	—	2,600
2022	4,550	—	—	4,550
	\$ 13,000	\$ 1,764	\$ 1,629	\$ 16,393

In connection with the November 1, 2016 acquisition of Auction 123, the Company entered into the Second Loan Modification Agreement with SVB, which includes credit facilities consisting of \$3,000,000 revolving credit facility with a maturity date of September 30, 2018 and a \$13,000,000 term loan with a maturity date of November 1, 2021. This term loan is an amendment to the existing \$6,050,000 term loan with a maturity date of September 30, 2019 (see Note 8, Subsequent Events).

#### Off-Balance Sheet Arrangements

The Company has no off-balance sheet arrangements that have or are reasonably likely to have a current or future effect on its financial condition, revenue or expenses, results of operations, liquidity, capital expenditures or capital resources.

#### Item 3. Quantitative and Qualitative Disclosures about Market Risk

Not Applicable.

#### Item 4. Controls and Procedures

The Company has established disclosure controls and procedures to ensure that material information relating to it, including its consolidated subsidiaries, is made known on a timely basis to the officers who certify our financial reports and to other members of senior management and the Board of Directors.

The Company's management, with the participation of our Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of our disclosure controls and procedures (as such term is defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act) as of the end of the period covered by this report. Based on such evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that, as of such date, the Company's disclosure controls and procedures are effective (1) in recording, processing, summarizing and reporting, on a timely basis, information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act and (2) to ensure that information required to be disclosed in the reports it files or submits

under the Exchange Act is accumulated and communicated to its management, including the Chief Executive Officer and Chief Financial Officer, to allow timely decisions regarding required disclosure.

There have not been any changes in our internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) that occurred during the quarter ended January 31, 2017 that have materially affected, or are reasonably likely to materially affect the Company's internal control over financial reporting.

## PART II - OTHER INFORMATION

### Item 1. Legal Proceedings

From time to time, the Company may be involved in litigation relating to claims arising out of its operations in the usual course of business. No material legal proceedings to which the Company is a party exist at January 31, 2017.

### Item 1A. Risk Factors

The Company's risks and uncertainties are described in Part I, Item 1A of the Company's annual report on Form 10-K for the fiscal year ended July 31, 2016. There have been no significant changes to the risks described in our Form 10-K.

### Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

None.

### Item 3. Defaults upon Senior Securities

None.

Item 4. Mine Safety Disclosures

Not applicable.

Item 5. Other Information

Not applicable.

Item 6. Exhibits

31.1 Rule 13a-14(a)/15d-14(a) Certification of Chief Executive Officer.

31.2 Rule 13a-14(a)/15d-14(a) Certification of Chief Financial Officer.

32.1 Section 1350 Certification of Chief Executive Officer.

32.2 Section 1350 Certification of Chief Financial Officer.

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, on this 17th day of March 2017.

ARI NETWORK SERVICES, INC.

(Registrant)

By: /s/ Roy W. Olivier\_  
Roy W. Olivier  
President and Chief Executive Officer

By: /s/ William A. Nurthen \_  
William A. Nurthen  
Vice President of Finance and Chief Financial Officer

